

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-110
Relating to Exemptions under Sections 27156 and 38391
of the Vehicle Code

Car Sound Exhaust Systems, Inc. (d.b.a. Magnaflow)
"Series 454000 and 451000 Three-Way Catalytic Converters"

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 Sections 27156 and 38391.

WHEREAS, Car Sound Exhaust Systems, Inc. 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 454000 and 451000 three-way catalytic converters (TWC) on select 2000 through 2006 model-year passenger cars (PC) and light-duty trucks 1 (LDT1) equipped with on-board diagnostic II (OBD II) systems as specified in Appendix D-193-110 and incorporated herein. Series 454000 and 451000 TWCs will be used for multiple catalytic converter applications, with series 454000 used as the front catalytic converter and series 451000 used as the rear catalytic converter. Series 454000 TWC uses one of the following substrate geometries: (1) oval [3.15x4.75x3]; (2) large oval [3.2x5.7x3]; or (3) round [3.66x4]. Series 451000 TWC uses one of the following substrate geometries: (1) oval [3.15x4.75x2]x2; (2) round [3.66x2 + 3.66x3]; or (3) round [4.66x3].

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code Section 39515 and in the Chief of the 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 converters comply with the California Vehicle Code Sections 27156 and 38395 and Title 13, California Code of Regulations Section 2222(h). Emission performance of the catalytic converters was based on durability bench-aging by Lotus Engineering, Inc. 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," adopted on October 25, 2007.

WHEREAS, emissions and OBD II compatibility tests conducted by Car Sound Exhaust Systems, Inc. using a 2003 model-year 2.0 liter Mazda Protégé (ULEV PC, 3TKXV02.0HJA) with series 454000 and 451000 TWCs showed that the vehicle met the applicable emission standards and that series 454000 and 451000 TWCs did not falsely cause the malfunction indicator light to illuminate. Federal test procedure emission standards and test results in grams per mile are shown below:

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
PC 100K ULEV standards	0.055	2.1	0.3
2003 Mazda Protégé test 1	0.050	1.4	0.2
2003 Mazda Protégé test 2	0.047	1.0	0.2

WHEREAS, Car Sound Exhaust Systems, Inc. conducted proper malfunction indicator light illumination demonstration with series 454000 and 451000 TWCs on the same 2003 model-year 2.0 liter Mazda Protégé and demonstrated compliance with the requirements in Section (e)(5)(B) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," adopted on October 25, 2007.

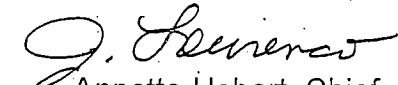
THEREFORE, IT IS HEREBY RESOLVED that Car Sound Exhaust Systems, Inc.'s series 454000 and 451000 TWCs are exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-193-110 subject to the following conditions:

1. No changes are permitted to the catalytic converters as described in the application for exemption. Any changes to the catalytic converters or any of their components and other factors addressed in this Executive Order must be evaluated and approved by the Air Resources Board prior to marketing in California.
2. Marketing of the catalytic converters using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converters for applications 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 converters as individual devices.
3. Any oral or written references to this Executive Order or its content by Car Sound Exhaust Systems, 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 converters and is only a finding that the catalytic converters are exempt from the prohibitions in Vehicle Code Sections 27156 and 38391.
4. Car Sound Exhaust Systems, Inc.'s installation instructions for the new catalytic converters must conform to requirements in Section (h) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," adopted on October 25, 2007.
5. Installation of the catalytic converters shall not cause the relocation of any oxygen sensors. 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 converters 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," adopted on October 25, 2007.
7. Car Sound Exhaust Systems, Inc. and its vendors may not advertise the new aftermarket catalytic converters as "high flow" or "easy flow" catalytic converters or use any phrase that could make them appear to perform better than the original equipment manufacturer catalytic converters.

8. Any marketing arrangement of the new aftermarket catalytic converters 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 Exhaust Systems, Inc., its associates, vendors, other businesses and individuals associated with Car Sound Exhaust Systems, Inc. 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 Systems, 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," adopted on October 25, 2007.
11. Quality control reports must be submitted on a quarterly basis and warranty information reports on a semi-annual basis.
12. Car Sound Exhaust Systems, Inc. must provide a permanent label or stamp as specified under Section (f)(1) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," adopted on October 25, 2007.
13. Car Sound Exhaust Systems, Inc.'s vehicle application catalog must conform to the requirements specified under Section (f)(4) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," adopted on October 25, 2007.

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 8th day of February 2013.


Annette Hebert, Chief
Mobile Source Operations Division

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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	2004	CHRYSLER	CROSSFIRE	3.2	4CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454205	ALL
2	2004	CHRYSLER	CROSSFIRE	3.2	4CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454206	ALL
3	2004	CHRYSLER	CROSSFIRE	3.2	4CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454205	ALL
4	2004	CHRYSLER	CROSSFIRE	3.2	4CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454206	ALL
5	2004	CHRYSLER	CROSSFIRE	3.2	4CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
6	2004	CHRYSLER	CROSSFIRE	3.2	4CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
7	2004	CHRYSLER	CROSSFIRE	3.2	4CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
8	2004	CHRYSLER	CROSSFIRE	3.2	4CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
9	2005	CHRYSLER	CROSSFIRE	3.2	5CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454205	ALL
10	2005	CHRYSLER	CROSSFIRE	3.2	5CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454206	ALL
11	2005	CHRYSLER	CROSSFIRE	3.2	5CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454205	ALL
12	2005	CHRYSLER	CROSSFIRE	3.2	5CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454206	ALL
13	2005	CHRYSLER	CROSSFIRE	3.2	5CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
14	2005	CHRYSLER	CROSSFIRE	3.2	5CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
15	2005	CHRYSLER	CROSSFIRE	3.2	5CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
16	2005	CHRYSLER	CROSSFIRE	3.2	5CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
17	2006	CHRYSLER	CROSSFIRE	3.2	6CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454205	ALL
18	2006	CHRYSLER	CROSSFIRE	3.2	6CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454206	ALL
19	2006	CHRYSLER	CROSSFIRE	3.2	6CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454205	ALL
20	2006	CHRYSLER	CROSSFIRE	3.2	6CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454206	ALL
21	2006	CHRYSLER	CROSSFIRE	3.2	6CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
22	2006	CHRYSLER	CROSSFIRE	3.2	6CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
23	2006	CHRYSLER	CROSSFIRE	3.2	6CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
24	2006	CHRYSLER	CROSSFIRE	3.2	6CRXV03.2VH0	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
25	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
26	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
27	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
28	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
29	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451255	ALL
30	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451256	ALL
31	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451255	ALL
32	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451256	ALL
33	2001	FORD	MUSTANG	3.8	1FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	U	DIRECT FIT	454007	ALL
34	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
35	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
36	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
37	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
38	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451255	ALL
39	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451256	ALL
40	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451255	ALL
41	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451256	ALL
42	2002	FORD	MUSTANG	3.8	2FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	U	DIRECT FIT	454007	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
43	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
44	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
45	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
46	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
47	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
48	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
49	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
50	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
51	2003	FORD	CROWN VICTORIA	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
52	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
53	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
54	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
55	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
56	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451255	ALL
57	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451256	ALL
58	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451255	ALL
59	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451256	ALL
60	2003	FORD	MUSTANG	3.8	3FMXV03.8VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	U	DIRECT FIT	454007	ALL
61	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
62	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
63	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
64	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
65	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
66	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
67	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
68	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
69	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
70	2004	FORD	CROWN VICTORIA	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
71	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
72	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
73	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
74	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
75	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451255	ALL
76	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451256	ALL
77	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451255	ALL
78	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451256	ALL
79	2004	FORD	MUSTANG	3.8	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	U	DIRECT FIT	454007	ALL
80	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
81	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
82	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
83	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
84	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451255	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
85	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451256	ALL
86	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451255	ALL
87	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451256	ALL
88	2004	FORD	MUSTANG	3.9	4FMXV03.9VH3	LEV1 ULEV	PC	D	2TWC(2)	4	2	U	DIRECT FIT	454007	ALL
89	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
90	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
91	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
92	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
93	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451255	ALL
94	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451256	ALL
95	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451255	ALL
96	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451256	ALL
97	2004	FORD	MUSTANG	4.6	4FMXV04.6VHA	LEV1 ULEV	PC	D	2TWC(2)	4	2	U	DIRECT FIT	454007	ALL
98	2004	FORD	RANGER	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454105	ALL
99	2004	FORD	RANGER	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454175	ALL
100	2004	FORD	RANGER	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451256	ALL
101	2004	FORD	RANGER	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	U	DIRECT FIT	454020	ALL
102	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	DIRECT FIT	454030	ALL
103	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454204	ALL
104	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454205	ALL
105	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FL	UNIVERSAL	454104	ALL
106	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FL	UNIVERSAL	454174	ALL
107	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FR	UNIVERSAL	454104	ALL
108	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FR	UNIVERSAL	454174	ALL
109	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	DIRECT FIT	451001	ALL
110	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451005	ALL
111	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451006	ALL
112	2004	FORD	RANGER	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451206	ALL
113	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
114	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
115	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
116	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
117	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
118	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
119	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
120	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
121	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
122	2005	FORD	CROWN VICTORIA	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
123	2005	FORD	RANGER	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454105	ALL
124	2005	FORD	RANGER	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454175	ALL
125	2005	FORD	RANGER	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451256	ALL
126	2005	FORD	RANGER	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	U	DIRECT FIT	454020	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
127	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	DIRECT FIT	454030	ALL
128	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454204	ALL
129	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454205	ALL
130	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FL	UNIVERSAL	454104	ALL
131	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FL	UNIVERSAL	454174	ALL
132	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FR	UNIVERSAL	454104	ALL
133	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FR	UNIVERSAL	454174	ALL
134	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	DIRECT FIT	451001	ALL
135	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451005	ALL
136	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451006	ALL
137	2005	FORD	RANGER	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451206	ALL
138	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
139	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
140	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
141	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
142	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
143	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
144	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
145	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
146	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
147	2006	FORD	CROWN VICTORIA	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
148	2006	FORD	RANGER	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454105	ALL
149	2006	FORD	RANGER	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454175	ALL
150	2006	FORD	RANGER	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451256	ALL
151	2006	FORD	RANGER	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	U	DIRECT FIT	454020	ALL
152	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	DIRECT FIT	454030	ALL
153	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454204	ALL
154	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454205	ALL
155	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FL	UNIVERSAL	454104	ALL
156	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FL	UNIVERSAL	454174	ALL
157	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FR	UNIVERSAL	454104	ALL
158	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FR	UNIVERSAL	454174	ALL
159	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	DIRECT FIT	451001	ALL
160	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451005	ALL
161	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451006	ALL
162	2006	FORD	RANGER	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451206	ALL
163	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
164	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
165	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
166	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
167	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
168	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
169	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
170	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
171	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
172	2003	LINCOLN	TOWN CAR	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
173	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	DIRECT FIT	454001	ALL
174	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
175	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
176	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
177	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
178	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
179	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
180	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
181	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
182	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
183	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
184	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
185	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
186	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
187	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
188	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
189	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
190	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
191	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
192	2004	LINCOLN	TOWN CAR	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
193	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
194	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
195	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
196	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
197	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
198	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
199	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
200	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
201	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
202	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
203	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
204	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
205	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
206	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
207	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
208	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
209	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
210	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
211	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
212	2005	LINCOLN	TOWN CAR	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
213	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
214	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
215	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
216	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
217	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
218	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
219	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
220	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
221	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
222	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
223	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
224	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
225	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
226	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
227	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
228	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
229	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
230	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
231	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG7	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
232	2006	LINCOLN	TOWN CAR	4.6	6FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
233	1999	MAZDA	PROTEGE	1.6	YTKXV01.6VJM	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	454021	ALL
234	1999	MAZDA	PROTEGE	1.6	YTKXV01.6VJM	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451004	ALL
235	2000	MAZDA	626	2	YTKXV02.0VJM	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	454002	ALL
236	2000	MAZDA	626	2	YTKXV02.0VJM	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	451007	ALL
237	2000	MAZDA	626	2	YTKXV02.0VJM	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451034	ALL
238	2000	MAZDA	626	2	YTKXV02.0VJM	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451035	ALL
239	2000	MAZDA	PROTEGE	1.6	YTKXV01.6VJM	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	454021	ALL
240	2000	MAZDA	PROTEGE	1.6	YTKXV01.6VJM	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451004	ALL
241	2001	MAZDA	626	2	1TKXV02.0GJB	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	454002	ALL
242	2001	MAZDA	626	2	1TKXV02.0GJB	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	451007	ALL
243	2001	MAZDA	626	2	1TKXV02.0GJB	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451034	ALL
244	2001	MAZDA	626	2	1TKXV02.0GJB	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451035	ALL
245	2001	MAZDA	PROTEGE	1.6	1TKXV01.6DJA	LEV1 ULEV	PC	S	TWC(2)	2	1	F	DIRECT FIT	454021	ALL
246	2001	MAZDA	PROTEGE	1.6	1TKXV01.6DJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451004	ALL
247	2001	MAZDA	PROTEGE	2	1TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	F	DIRECT FIT	454031	ALL
248	2001	MAZDA	PROTEGE	2	1TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	DIRECT FIT	451002	ALL
249	2001	MAZDA	PROTEGE	2	1TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451004	ALL
250	2001	MAZDA	PROTEGE	2	1TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451005	ALL
251	2002	MAZDA	626	2	2TKXV02.0GJB	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	454002	ALL
252	2002	MAZDA	626	2	2TKXV02.0GJB	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	451007	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
253	2002	MAZDA	626	2	2TKXV02.0GJB	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451034	ALL
254	2002	MAZDA	626	2	2TKXV02.0GJB	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451035	ALL
255	2002	MAZDA	PROTEGE	2	2TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	F	DIRECT FIT	454031	ALL
256	2002	MAZDA	PROTEGE	2	2TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	DIRECT FIT	451002	ALL
257	2002	MAZDA	PROTEGE	2	2TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451004	ALL
258	2002	MAZDA	PROTEGE	2	2TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451005	ALL
259	2002	MAZDA	PROTEGE5	2	2TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	F	DIRECT FIT	454031	ALL
260	2002	MAZDA	PROTEGE5	2	2TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	DIRECT FIT	451002	ALL
261	2002	MAZDA	PROTEGE5	2	2TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451004	ALL
262	2002	MAZDA	PROTEGE5	2	2TKXV02.0GJA	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451005	ALL
263	2003	MAZDA	PROTEGE	2	3TKXV02.0HJA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	454031	ALL
264	2003	MAZDA	PROTEGE	2	3TKXV02.0HJA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	451002	ALL
265	2003	MAZDA	PROTEGE	2	3TKXV02.0HJA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451004	ALL
266	2003	MAZDA	PROTEGE	2	3TKXV02.0HJA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451005	ALL
267	2003	MAZDA	PROTEGE5	2	3TKXV02.0HJA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	454031	ALL
268	2003	MAZDA	PROTEGE5	2	3TKXV02.0HJA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	451002	ALL
269	2003	MAZDA	PROTEGE5	2	3TKXV02.0HJA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451004	ALL
270	2003	MAZDA	PROTEGE5	2	3TKXV02.0HJA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451005	ALL
271	2004	MAZDA	B2300	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454105	ALL
272	2004	MAZDA	B2300	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454175	ALL
273	2004	MAZDA	B2300	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451255	ALL
274	2004	MAZDA	B2300	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451256	ALL
275	2004	MAZDA	B2300	2.3	4FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	U	DIRECT FIT	454020	ALL
276	2004	MAZDA	B3000	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	DIRECT FIT	454030	ALL
277	2004	MAZDA	B3000	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454204	ALL
278	2004	MAZDA	B3000	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454205	ALL
279	2004	MAZDA	B3000	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	DIRECT FIT	451001	ALL
280	2004	MAZDA	B3000	3	4FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451206	ALL
281	2005	MAZDA	B2300	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454105	ALL
282	2005	MAZDA	B2300	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454175	ALL
283	2005	MAZDA	B2300	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451255	ALL
284	2005	MAZDA	B2300	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451256	ALL
285	2005	MAZDA	B2300	2.3	5FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	U	DIRECT FIT	454020	ALL
286	2005	MAZDA	B3000	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	DIRECT FIT	454030	ALL
287	2005	MAZDA	B3000	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454204	ALL
288	2005	MAZDA	B3000	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454205	ALL
289	2005	MAZDA	B3000	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	DIRECT FIT	451001	ALL
290	2005	MAZDA	B3000	3	5FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451206	ALL
291	2006	MAZDA	B2300	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454105	ALL
292	2006	MAZDA	B2300	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	F	UNIVERSAL	454175	ALL
293	2006	MAZDA	B2300	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451255	ALL
294	2006	MAZDA	B2300	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	R	UNIVERSAL	451256	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
295	2006	MAZDA	B2300	2.3	6FMXT02.31J2	LEV1 ULEV	LDT1	S	TWC(2)	2	1	U	DIRECT FIT	454020	ALL
296	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	DIRECT FIT	454030	ALL
297	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454204	ALL
298	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	F	UNIVERSAL	454205	ALL
299	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FL	UNIVERSAL	454104	ALL
300	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FL	UNIVERSAL	454174	ALL
301	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FR	UNIVERSAL	454104	ALL
302	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	FR	UNIVERSAL	454174	ALL
303	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	DIRECT FIT	451001	ALL
304	2006	MAZDA	B3000	3	6FMXT03.01HA	LEV1 ULEV	LDT1	DS	2TWC,TWC	3	2	R	UNIVERSAL	451206	ALL
305	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454105	ALL
306	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454175	ALL
307	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454105	ALL
308	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454175	ALL
309	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
310	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
311	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
312	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
313	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454010	ALL
314	2001	MERCEDES-BENZ	CL500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454011	ALL
315	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
316	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
317	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454355	ALL
318	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454356	ALL
319	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
320	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
321	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451255	ALL
322	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451256	ALL
323	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
324	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454028	ALL
325	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
326	2001	MERCEDES-BENZ	E320	3.2	1MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454041	ALL
327	2001	MERCEDES-BENZ	E430	4.3	1MBXV04.3UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454305	ALL
328	2001	MERCEDES-BENZ	E430	4.3	1MBXV04.3UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454306	ALL
329	2001	MERCEDES-BENZ	E430	4.3	1MBXV04.3UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
330	2001	MERCEDES-BENZ	E430	4.3	1MBXV04.3UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451206	ALL
331	2001	MERCEDES-BENZ	E430	4.3	1MBXV04.3UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454032	ALL
332	2001	MERCEDES-BENZ	E430	4.3	1MBXV04.3UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454038	ALL
333	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454205	ALL
334	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454206	ALL
335	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454205	ALL
336	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454206	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
337	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
338	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
339	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
340	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
341	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454037	ALL
342	2001	MERCEDES-BENZ	S500	5	1MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454043	ALL
343	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454105	ALL
344	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454175	ALL
345	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454105	ALL
346	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454175	ALL
347	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
348	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
349	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
350	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
351	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454010	ALL
352	2002	MERCEDES-BENZ	CL500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454011	ALL
353	2002	MERCEDES-BENZ	CLK430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454023	ALL
354	2002	MERCEDES-BENZ	CLK430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454022	ALL
355	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
356	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
357	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454305	ALL
358	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454306	ALL
359	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
360	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
361	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451255	ALL
362	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451256	ALL
363	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
364	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454028	ALL
365	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
366	2002	MERCEDES-BENZ	E320	3.2	2MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454041	ALL
367	2002	MERCEDES-BENZ	E430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454305	ALL
368	2002	MERCEDES-BENZ	E430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454306	ALL
369	2002	MERCEDES-BENZ	E430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
370	2002	MERCEDES-BENZ	E430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451206	ALL
371	2002	MERCEDES-BENZ	E430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454032	ALL
372	2002	MERCEDES-BENZ	E430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454038	ALL
373	2002	MERCEDES-BENZ	S430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454305	ALL
374	2002	MERCEDES-BENZ	S430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454306	ALL
375	2002	MERCEDES-BENZ	S430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
376	2002	MERCEDES-BENZ	S430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451206	ALL
377	2002	MERCEDES-BENZ	S430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454017	ALL
378	2002	MERCEDES-BENZ	S430	4.3	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454042	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
379	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454205	ALL
380	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454206	ALL
381	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454205	ALL
382	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454206	ALL
383	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
384	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
385	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
386	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
387	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454037	ALL
388	2002	MERCEDES-BENZ	S500	5	2MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454043	ALL
389	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454105	ALL
390	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454175	ALL
391	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454105	ALL
392	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454175	ALL
393	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
394	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
395	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
396	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
397	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454010	ALL
398	2003	MERCEDES-BENZ	CL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454011	ALL
399	2003	MERCEDES-BENZ	CLK320	3.2	3MBXV03.2UBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
400	2003	MERCEDES-BENZ	CLK320	3.2	3MBXV03.2UBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
401	2003	MERCEDES-BENZ	CLK320	3.2	3MBXV03.2UBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
402	2003	MERCEDES-BENZ	CLK320	3.2	3MBXV03.2UBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
403	2003	MERCEDES-BENZ	CLK320	3.2	3MBXV03.2UBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
404	2003	MERCEDES-BENZ	CLK320	3.2	3MBXV03.2UBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
405	2003	MERCEDES-BENZ	CLK430	4.3	3MBXV04.3UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454023	ALL
406	2003	MERCEDES-BENZ	CLK430	4.3	3MBXV04.3UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454022	ALL
407	2003	MERCEDES-BENZ	CLK500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454017	ALL
408	2003	MERCEDES-BENZ	CLK500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454042	ALL
409	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
410	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
411	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454305	ALL
412	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454306	ALL
413	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
414	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
415	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451255	ALL
416	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451256	ALL
417	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
418	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454028	ALL
419	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
420	2003	MERCEDES-BENZ	E320	3.2	3MBXV03.2UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454041	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
421	2003	MERCEDES-BENZ	E500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454017	ALL
422	2003	MERCEDES-BENZ	E500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454042	ALL
423	2003	MERCEDES-BENZ	S430	4.3	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454305	ALL
424	2003	MERCEDES-BENZ	S430	4.3	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454306	ALL
425	2003	MERCEDES-BENZ	S430	4.3	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
426	2003	MERCEDES-BENZ	S430	4.3	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451206	ALL
427	2003	MERCEDES-BENZ	S430	4.3	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454017	ALL
428	2003	MERCEDES-BENZ	S430	4.3	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454042	ALL
429	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454205	ALL
430	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454206	ALL
431	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454205	ALL
432	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454206	ALL
433	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451205	ALL
434	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	451206	ALL
435	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451205	ALL
436	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	451206	ALL
437	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454037	ALL
438	2003	MERCEDES-BENZ	S500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454043	ALL
439	2003	MERCEDES-BENZ	SL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454205	ALL
440	2003	MERCEDES-BENZ	SL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	454206	ALL
441	2003	MERCEDES-BENZ	SL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454205	ALL
442	2003	MERCEDES-BENZ	SL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	454206	ALL
443	2003	MERCEDES-BENZ	SL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	UNIVERSAL	451205	ALL
444	2003	MERCEDES-BENZ	SL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	UNIVERSAL	451206	ALL
445	2003	MERCEDES-BENZ	SL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454037	ALL
446	2003	MERCEDES-BENZ	SL500	5	3MBXV05.0UBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454043	ALL
447	2004	MERCEDES-BENZ	C240	2.6	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
448	2004	MERCEDES-BENZ	C240	2.6	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
449	2004	MERCEDES-BENZ	C240	2.6	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
450	2004	MERCEDES-BENZ	C240	2.6	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
451	2004	MERCEDES-BENZ	C240	2.6	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
452	2004	MERCEDES-BENZ	C240	2.6	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
453	2004	MERCEDES-BENZ	C320	3.2	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
454	2004	MERCEDES-BENZ	C320	3.2	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
455	2004	MERCEDES-BENZ	C320	3.2	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
456	2004	MERCEDES-BENZ	C320	3.2	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
457	2004	MERCEDES-BENZ	C320	3.2	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
458	2004	MERCEDES-BENZ	C320	3.2	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
459	2004	MERCEDES-BENZ	CLK320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
460	2004	MERCEDES-BENZ	CLK320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
461	2004	MERCEDES-BENZ	CLK320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
462	2004	MERCEDES-BENZ	CLK320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
463	2004	MERCEDES-BENZ	CLK320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
464	2004	MERCEDES-BENZ	CLK320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
465	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
466	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
467	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454305	ALL
468	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454306	ALL
469	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
470	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
471	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451255	ALL
472	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451256	ALL
473	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
474	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454028	ALL
475	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
476	2004	MERCEDES-BENZ	E320	3.2	4MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454041	ALL
477	2004	MERCEDES-BENZ	SLK320	3.2	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454012	ALL
478	2004	MERCEDES-BENZ	SLK320	3.2	4MBXV03.2LBX	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454013	ALL
479	2005	MERCEDES-BENZ	C240	2.6	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
480	2005	MERCEDES-BENZ	C240	2.6	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
481	2005	MERCEDES-BENZ	C240	2.6	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
482	2005	MERCEDES-BENZ	C240	2.6	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
483	2005	MERCEDES-BENZ	C240	2.6	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
484	2005	MERCEDES-BENZ	C240	2.6	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
485	2005	MERCEDES-BENZ	C320	3.2	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454204	ALL
486	2005	MERCEDES-BENZ	C320	3.2	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
487	2005	MERCEDES-BENZ	C320	3.2	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451204	ALL
488	2005	MERCEDES-BENZ	C320	3.2	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
489	2005	MERCEDES-BENZ	C320	3.2	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	454033	ALL
490	2005	MERCEDES-BENZ	C320	3.2	5MBXV03.2LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	454040	ALL
491	2006	MERCEDES-BENZ	S350	3.7	6MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454205	ALL
492	2006	MERCEDES-BENZ	S350	3.7	6MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	454206	ALL
493	2006	MERCEDES-BENZ	S350	3.7	6MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451205	ALL
494	2006	MERCEDES-BENZ	S350	3.7	6MBXV03.7LBI	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	451206	ALL
495	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	DIRECT FIT	454000	ALL
496	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
497	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
498	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
499	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
500	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
501	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
502	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
503	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
504	2003	MERCURY	GRAND MARQUIS	4.6	3FMXV04.6VG5	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
505	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
506	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
507	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
508	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
509	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
510	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
511	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
512	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
513	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
514	2004	MERCURY	GRAND MARQUIS	4.6	4FMXV04.6VG6	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
515	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
516	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
517	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
518	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
519	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
520	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
521	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
522	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
523	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
524	2004	MERCURY	MARAUDER	4.6	4FMXV04.6VH5	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
525	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454104	ALL
526	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454174	ALL
527	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454104	ALL
528	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454174	ALL
529	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451004	ALL
530	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
531	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451004	ALL
532	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
533	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UL	DIRECT FIT	454000	ALL
534	2005	MERCURY	GRAND MARQUIS	4.6	5FMXV04.6VG8	LEV1 ULEV	PC	D	2TWC(2)	4	2	UR	DIRECT FIT	454001	ALL
535	2004	PANOZ	ESPERANTE	4.6	4P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454105	ALL
536	2004	PANOZ	ESPERANTE	4.6	4P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454175	ALL
537	2004	PANOZ	ESPERANTE	4.6	4P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454105	ALL
538	2004	PANOZ	ESPERANTE	4.6	4P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454175	ALL
539	2004	PANOZ	ESPERANTE	4.6	4P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
540	2004	PANOZ	ESPERANTE	4.6	4P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451006	ALL
541	2004	PANOZ	ESPERANTE	4.6	4P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
542	2004	PANOZ	ESPERANTE	4.6	4P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451006	ALL
543	2005	PANOZ	ESPERANTE	4.6	5P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454105	ALL
544	2005	PANOZ	ESPERANTE	4.6	5P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454175	ALL
545	2005	PANOZ	ESPERANTE	4.6	5P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454105	ALL
546	2005	PANOZ	ESPERANTE	4.6	5P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454175	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
547	2005	PANOZ	ESPERANTE	4.6	5P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
548	2005	PANOZ	ESPERANTE	4.6	5P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451006	ALL
549	2005	PANOZ	ESPERANTE	4.6	5P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
550	2005	PANOZ	ESPERANTE	4.6	5P3XV04.600A	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451006	ALL
551	2004	SALEEN	S7	7	4S3XV0.70EAB	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454105	ALL
552	2004	SALEEN	S7	7	4S3XV0.70EAB	LEV1 ULEV	PC	D	2TWC(2)	4	2	FL	UNIVERSAL	454175	ALL
553	2004	SALEEN	S7	7	4S3XV0.70EAB	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454105	ALL
554	2004	SALEEN	S7	7	4S3XV0.70EAB	LEV1 ULEV	PC	D	2TWC(2)	4	2	FR	UNIVERSAL	454175	ALL
555	2004	SALEEN	S7	7	4S3XV0.70EAB	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451005	ALL
556	2004	SALEEN	S7	7	4S3XV0.70EAB	LEV1 ULEV	PC	D	2TWC(2)	4	2	RL	UNIVERSAL	451006	ALL
557	2004	SALEEN	S7	7	4S3XV0.70EAB	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451005	ALL
558	2004	SALEEN	S7	7	4S3XV0.70EAB	LEV1 ULEV	PC	D	2TWC(2)	4	2	RR	UNIVERSAL	451006	ALL
559	2004	SATURN	L300	3	4GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	F	DIRECT FIT	454003	ALL
560	2004	SATURN	L300	3	4GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	F	UNIVERSAL	454204	ALL
561	2004	SATURN	L300	3	4GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	F	UNIVERSAL	454205	ALL
562	2004	SATURN	L300	3	4GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	R	UNIVERSAL	451205	ALL
563	2004	SATURN	L300	3	4GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	R	UNIVERSAL	451206	ALL
564	2005	SATURN	L300	3	5GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	F	DIRECT FIT	454003	ALL
565	2005	SATURN	L300	3	5GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	F	UNIVERSAL	454204	ALL
566	2005	SATURN	L300	3	5GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	F	UNIVERSAL	454205	ALL
567	2005	SATURN	L300	3	5GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	R	DIRECT FIT	451000	ALL
568	2005	SATURN	L300	3	5GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	R	UNIVERSAL	451205	ALL
569	2005	SATURN	L300	3	5GMXV03.0061	LEV1 ULEV	PC	DS	2WU-TWC,TWC	3	1	R	UNIVERSAL	451206	ALL
570	2004	SUBARU	FORESTER	2.5	4FJXV02.5SHU	LEV1 ULEV	PC	S	TWC(2)	2	1	F	DIRECT FIT	454008	ALL
571	2004	SUBARU	FORESTER	2.5	4FJXV02.5SHU	LEV1 ULEV	PC	S	TWC(2)	2	1	F	DIRECT FIT	454027	ALL
572	2004	SUBARU	FORESTER	2.5	4FJXV02.5SHU	LEV1 ULEV	PC	S	TWC(2)	2	1	F	UNIVERSAL	454104	ALL
573	2004	SUBARU	FORESTER	2.5	4FJXV02.5SHU	LEV1 ULEV	PC	S	TWC(2)	2	1	F	UNIVERSAL	454184	ALL
574	2004	SUBARU	FORESTER	2.5	4FJXV02.5SHU	LEV1 ULEV	PC	S	TWC(2)	2	1	R	DIRECT FIT	451008	ALL
575	2004	SUBARU	FORESTER	2.5	4FJXV02.5SHU	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451034	ALL
576	2004	SUBARU	FORESTER	2.5	4FJXV02.5SHU	LEV1 ULEV	PC	S	TWC(2)	2	1	R	UNIVERSAL	451035	ALL
577	2003	TOYOTA	COROLLA	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454204	ALL
578	2003	TOYOTA	COROLLA	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454205	ALL
579	2003	TOYOTA	COROLLA	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454206	ALL
580	2003	TOYOTA	COROLLA	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451204	ALL
581	2003	TOYOTA	COROLLA	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451205	ALL
582	2003	TOYOTA	COROLLA	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451206	ALL
583	2003	TOYOTA	COROLLA	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	454200	ALL
584	2003	TOYOTA	MATRIX	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454204	ALL
585	2003	TOYOTA	MATRIX	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454205	ALL
586	2003	TOYOTA	MATRIX	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454206	ALL
587	2003	TOYOTA	MATRIX	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451204	ALL
588	2003	TOYOTA	MATRIX	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451205	ALL

Appendix D-193-110

Car Sound Exhaust Systems, Inc. 451000 / 454000

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
589	2003	TOYOTA	MATRIX	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451206	ALL
590	2003	TOYOTA	MATRIX	1.8	3TYXV01.8HHA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	454200	ALL
591	2004	TOYOTA	COROLLA	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454204	ALL
592	2004	TOYOTA	COROLLA	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454205	ALL
593	2004	TOYOTA	COROLLA	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454206	ALL
594	2004	TOYOTA	COROLLA	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451204	ALL
595	2004	TOYOTA	COROLLA	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451205	ALL
596	2004	TOYOTA	COROLLA	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451206	ALL
597	2004	TOYOTA	COROLLA	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	454200	ALL
598	2004	TOYOTA	MATRIX	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454204	ALL
599	2004	TOYOTA	MATRIX	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454205	ALL
600	2004	TOYOTA	MATRIX	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	UNIVERSAL	454206	ALL
601	2004	TOYOTA	MATRIX	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451204	ALL
602	2004	TOYOTA	MATRIX	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451205	ALL
603	2004	TOYOTA	MATRIX	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	451206	ALL
604	2004	TOYOTA	MATRIX	1.8	4TYXV01.8WMA	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	DIRECT FIT	454200	ALL