

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-103
Relating to Exemptions under Sections 27156 and 38391
of the Vehicle Code

Car Sound Exhaust Systems, Inc. (d.b.a. Magnaflow)
"Series 447100 and 447200 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 447100 and 447200 three-way catalytic converters (TWC) on select 1995 through 2006 model-year light-duty trucks 2 (LDT2) and medium-duty vehicles (MDV) equipped with on-board diagnostic II (OBD II) systems as specified in Appendix D-193-103 and incorporated herein. Series 447100 and 447200 TWCs will be used for multiple catalytic converter applications, with series 447100 used as the front catalytic converter and series 447200 used as the rear catalytic converter. Series 447100 and 447200 TWCs use one of the following substrate geometries:

Series 447100: (1) oval [3.15x4.75x3]; (2) oval [3.2x5.7x3]; (3) round [3.66x4]
Series 447200: (1) oval [3.15x4.75x2] x 2; (2) oval [3.2x5.7x2] x 2; (3) round [4.66x3];
(4) round [3.66x2 + 3.66x3]

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 100 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 2004 model-year 3.4 liter Toyota Tundra pickup truck (LEV LDT2, 4TYXT03.4VRM) with series 447100 and 447200 TWCs showed that the vehicle met the applicable emission standards and that series 447100 and 447200 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>
LDT2 100K LEV standards	0.130	5.5	0.5
2004 Tundra pickup truck test 1	0.101	1.2	0.14
2004 Tundra pickup truck test 2	0.120	2.0	0.34

WHEREAS, Car Sound Exhaust Systems, Inc. conducted proper malfunction indicator light illumination demonstration with series 447100 and 447200 TWCs on the same 2004 model-year 3.4 liter Toyota Tundra pickup truck 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 447100 and 447200 TWCs are exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-193-103 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.

Executive Order D-193-98, dated January 11, 2012, is hereby superseded and is of no further force or effect.

Executed at El Monte, California, this 23rd day of August 2012.



Annette Hebert, Chief
Mobile Source Operations Division

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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	1998	Chevrolet	Blazer	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2	1998	Chevrolet	Blazer	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
3	1998	Chevrolet	Blazer	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
4	1998	Chevrolet	Blazer	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
5	1998	Chevrolet	Blazer	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447212	ALL
6	1998	Chevrolet	S10	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
7	1998	Chevrolet	S10	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
8	1998	Chevrolet	S10	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
9	1998	Chevrolet	S10	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
10	1998	Chevrolet	S10	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
11	1998	Chevrolet	S10	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
12	1998	Chevrolet	S10	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447213	2WD
13	1998	Chevrolet	S10	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447214	4WD
14	1999	Chevrolet	Blazer	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
15	1999	Chevrolet	Blazer	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
16	1999	Chevrolet	Blazer	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
17	1999	Chevrolet	Blazer	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
18	1999	Chevrolet	Blazer	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
19	1999	Chevrolet	Blazer	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
20	1999	Chevrolet	Blazer	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
21	1999	Chevrolet	Blazer	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
22	1999	Chevrolet	Blazer	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447212	ALL
23	1999	Chevrolet	Blazer	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447212	ALL
24	1999	Chevrolet	S10	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
25	1999	Chevrolet	S10	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
26	1999	Chevrolet	S10	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
27	1999	Chevrolet	S10	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
28	1999	Chevrolet	S10	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
29	1999	Chevrolet	S10	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
30	1999	Chevrolet	S10	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
31	1999	Chevrolet	S10	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
32	1999	Chevrolet	S10	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
33	1999	Chevrolet	S10	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
34	1999	Chevrolet	S10	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
35	1999	Chevrolet	S10	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
36	1999	Chevrolet	S10	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447213	2WD
37	1999	Chevrolet	S10	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447213	2WD
38	1999	Chevrolet	S10	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447214	4WD
39	1999	Chevrolet	S10	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447214	4WD
40	2000	Chevrolet	Astro	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
41	2000	Chevrolet	Astro	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
42	2000	Chevrolet	Astro	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
43	2000	Chevrolet	Astro	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
44	2000	Chevrolet	Blazer	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447109	ALL
45	2000	Chevrolet	Blazer	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
46	2000	Chevrolet	Blazer	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	2WD
47	2000	Chevrolet	Blazer	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	4WD
48	2000	Chevrolet	Express 1500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447105	ALL
49	2000	Chevrolet	Express 1500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447106	ALL
50	2000	Chevrolet	Express 1500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447209	ALL
51	2000	Chevrolet	Express 1500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	U	DIRECT FIT	447237	ALL
52	2000	Chevrolet	Express 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447104	ALL
53	2000	Chevrolet	Express 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447105	ALL
54	2000	Chevrolet	Express 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447106	ALL
55	2000	Chevrolet	Express 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447247	ALL
56	2000	Chevrolet	Express 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	U	DIRECT FIT	447237	ALL
57	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
58	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
59	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447109	4WD
60	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
61	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
62	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
63	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447240	2WD
64	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447242	2WD
65	2000	Chevrolet	S10	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447249	4WD
66	2001	Chevrolet	Astro	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
67	2001	Chevrolet	Astro	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
68	2001	Chevrolet	Astro	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
69	2001	Chevrolet	Astro	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
70	2001	Chevrolet	Blazer	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447109	ALL
71	2001	Chevrolet	Blazer	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
72	2001	Chevrolet	Blazer	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	4WD
73	2001	Chevrolet	Blazer	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	2WD
74	2001	Chevrolet	Express 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
75	2001	Chevrolet	Express 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
76	2001	Chevrolet	Express 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
77	2001	Chevrolet	Express 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
78	2001	Chevrolet	Express 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
79	2001	Chevrolet	Express 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
80	2001	Chevrolet	Express 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
81	2001	Chevrolet	Express 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
82	2001	Chevrolet	Express 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
83	2001	Chevrolet	Express 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
84	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
85	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
86	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
87	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
88	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
89	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
90	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
91	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
92	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	2WD
93	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447240	2WD
94	2001	Chevrolet	S10	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447242	2WD
95	2001	Chevrolet	Silverado 1500 HD	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447283	ALL
96	2001	Chevrolet	Silverado 2500 HD	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
97	2001	Chevrolet	Silverado 2500 HD	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
98	2001	Chevrolet	Silverado 2500 HD	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
99	2001	Chevrolet	Silverado 2500 HD	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
100	2001	Chevrolet	Silverado 2500 HD	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
101	2001	Chevrolet	Silverado 2500 HD	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447281	ALL
102	2001	Chevrolet	Silverado 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
103	2001	Chevrolet	Silverado 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
104	2001	Chevrolet	Silverado 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
105	2001	Chevrolet	Silverado 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
106	2001	Chevrolet	Silverado 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
107	2001	Chevrolet	Silverado 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
108	2001	Chevrolet	Silverado 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
109	2001	Chevrolet	Silverado 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
110	2001	Chevrolet	Silverado 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
111	2001	Chevrolet	Silverado 3500	8.1	1GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
112	2001	Chevrolet	Silverado 3500	8.1	1GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
113	2001	Chevrolet	Suburban 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
114	2001	Chevrolet	Suburban 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
115	2001	Chevrolet	Suburban 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
116	2001	Chevrolet	Suburban 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
117	2001	Chevrolet	Suburban 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
118	2001	Chevrolet	Suburban 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
119	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
120	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
121	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
122	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
123	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
124	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	ALL
125	2002	Chevrolet	Astro	4.3	2GMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
126	2002	Chevrolet	Astro	4.3	2GMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
127	2002	Chevrolet	Astro	4.3	2GMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
128	2002	Chevrolet	Astro	4.3	2GMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
129	2002	Chevrolet	Avalanche 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	2WD
130	2002	Chevrolet	Avalanche 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	2WD
131	2002	Chevrolet	Avalanche 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	4WD
132	2002	Chevrolet	Avalanche 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	4WD
133	2002	Chevrolet	Avalanche 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	4WD
134	2002	Chevrolet	Avalanche 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	4WD
135	2002	Chevrolet	Blazer	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447109	ALL
136	2002	Chevrolet	Blazer	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
137	2002	Chevrolet	Blazer	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	4WD
138	2002	Chevrolet	Blazer	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	2WD
139	2002	Chevrolet	Express 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
140	2002	Chevrolet	Express 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
141	2002	Chevrolet	Express 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
142	2002	Chevrolet	Express 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
143	2002	Chevrolet	Express 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
144	2002	Chevrolet	Express 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
145	2002	Chevrolet	Express 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
146	2002	Chevrolet	Express 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
147	2002	Chevrolet	Express 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
148	2002	Chevrolet	Express 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
149	2002	Chevrolet	Express 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
150	2002	Chevrolet	Express 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
151	2002	Chevrolet	Express 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
152	2002	Chevrolet	Express 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
153	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
154	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
155	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
156	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
157	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
158	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
159	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
160	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447240	2WD
161	2002	Chevrolet	S10	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447242	2WD
162	2002	Chevrolet	Silverado 1500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447283	ALL
163	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	4WD
164	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	4WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
165	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	2WD
166	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	4WD
167	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	4WD
168	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	2WD
169	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	4WD
170	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	2WD
171	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	4WD
172	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	4WD
173	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	4WD
174	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	2WD
175	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	U	DIRECT FIT	447284	4WD
176	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	U	DIRECT FIT	447284	2WD
177	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	U	DIRECT FIT	447284	4WD
178	2002	Chevrolet	Silverado 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
179	2002	Chevrolet	Silverado 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
180	2002	Chevrolet	Silverado 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
181	2002	Chevrolet	Silverado 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
182	2002	Chevrolet	Silverado 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
183	2002	Chevrolet	Silverado 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447281	ALL
184	2002	Chevrolet	Silverado 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
185	2002	Chevrolet	Silverado 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
186	2002	Chevrolet	Silverado 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
187	2002	Chevrolet	Silverado 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
188	2002	Chevrolet	Silverado 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447261	ALL
189	2002	Chevrolet	Silverado 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447282	ALL
190	2002	Chevrolet	Silverado 2500	6	2TJXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
191	2002	Chevrolet	Silverado 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
192	2002	Chevrolet	Silverado 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
193	2002	Chevrolet	Silverado 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
194	2002	Chevrolet	Silverado 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
195	2002	Chevrolet	Silverado 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
196	2002	Chevrolet	Suburban 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
197	2002	Chevrolet	Suburban 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
198	2002	Chevrolet	Suburban 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
199	2002	Chevrolet	Suburban 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
200	2002	Chevrolet	Suburban 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
201	2002	Chevrolet	Suburban 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
202	2002	Chevrolet	Suburban 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
203	2002	Chevrolet	Suburban 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
204	2002	Chevrolet	Suburban 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
205	2002	Chevrolet	Suburban 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
206	2002	Chevrolet	Suburban 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	ALL
207	2002	Chevrolet	Suburban 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	ALL
208	2002	Chevrolet	Tahoe	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
209	2002	Chevrolet	Tahoe	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
210	2002	Chevrolet	Tahoe	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
211	2002	Chevrolet	Tahoe	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	U	DIRECT FIT	447284	ALL
212	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	4WD
213	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	2WD
214	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	2WD
215	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	4WD
216	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
217	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
218	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	4WD
219	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	2WD
220	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	2WD
221	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	4WD
222	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
223	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
224	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
225	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
226	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
227	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
228	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
229	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
230	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
231	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
232	2003	Chevrolet	Express 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447109	ALL
233	2003	Chevrolet	Express 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
234	2003	Chevrolet	Express 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447109	ALL
235	2003	Chevrolet	Express 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
236	2003	Chevrolet	Express 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447275	ALL
237	2003	Chevrolet	Express 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447209	ALL
238	2003	Chevrolet	Express 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447262	ALL
239	2003	Chevrolet	Express 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
240	2003	Chevrolet	Express 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447209	ALL
241	2003	Chevrolet	Express 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
242	2003	Chevrolet	Express 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
243	2003	Chevrolet	Express 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
244	2003	Chevrolet	Express 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
245	2003	Chevrolet	Express 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
246	2003	Chevrolet	Express 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
247	2003	Chevrolet	Express 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
248	2003	Chevrolet	Express 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
249	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447109	ALL
250	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447109	ALL
251	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447275	ALL
252	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447283	ALL
253	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447209	ALL
254	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447262	ALL
255	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447209	ALL
256	2003	Chevrolet	Silverado 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
257	2003	Chevrolet	Silverado 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
258	2003	Chevrolet	Silverado 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
259	2003	Chevrolet	Silverado 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
260	2003	Chevrolet	Silverado 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447262	ALL
261	2003	Chevrolet	Silverado 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447275	ALL
262	2003	Chevrolet	Silverado 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
263	2003	Chevrolet	Silverado 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
264	2003	Chevrolet	Silverado 2500 HD	6	3GMXA04.8172	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447269	ALL
265	2003	Chevrolet	Silverado 2500 HD	6	3GMXA04.8172	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447281	ALL
266	2003	Chevrolet	Silverado 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
267	2003	Chevrolet	Silverado 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
268	2003	Chevrolet	Silverado 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
269	2003	Chevrolet	Silverado 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447281	ALL
270	2003	Chevrolet	Silverado 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
271	2003	Chevrolet	Silverado 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
272	2003	Chevrolet	Silverado 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447109	ALL
273	2003	Chevrolet	Silverado 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447109	ALL
274	2003	Chevrolet	Silverado 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447275	ALL
275	2003	Chevrolet	Silverado 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447209	ALL
276	2003	Chevrolet	Silverado 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447262	ALL
277	2003	Chevrolet	Silverado 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447209	ALL
278	2003	Chevrolet	Silverado 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
279	2003	Chevrolet	Silverado 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
280	2003	Chevrolet	Silverado 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
281	2003	Chevrolet	Silverado 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
282	2003	Chevrolet	Suburban 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
283	2003	Chevrolet	Suburban 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
284	2003	Chevrolet	Suburban 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
285	2003	Chevrolet	Suburban 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
286	2003	Chevrolet	Suburban 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
287	2003	Chevrolet	Suburban 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
288	2003	Chevrolet	Suburban 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
289	2003	Chevrolet	Suburban 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
290	2003	Chevrolet	Suburban 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
291	2003	Chevrolet	Suburban 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
292	2003	Chevrolet	Suburban 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	ALL
293	2003	Chevrolet	Suburban 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	ALL
294	2004	Chevrolet	Astro	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
295	2004	Chevrolet	Astro	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
296	2004	Chevrolet	Astro	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
297	2004	Chevrolet	Astro	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
298	2004	Chevrolet	Avalanche 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	2WD
299	2004	Chevrolet	Avalanche 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	2WD
300	2004	Chevrolet	Avalanche 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	4WD
301	2004	Chevrolet	Avalanche 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	4WD
302	2004	Chevrolet	Avalanche 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447260	4WD
303	2004	Chevrolet	Avalanche 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447274	4WD
304	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
305	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
306	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
307	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
308	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
309	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
310	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
311	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
312	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
313	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
314	2004	Chevrolet	Silverado 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
315	2004	Chevrolet	Silverado 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
316	2004	Chevrolet	Silverado 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
317	2004	Chevrolet	Silverado 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
318	2004	Chevrolet	Suburban 2500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
319	2004	Chevrolet	Suburban 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
320	2004	Chevrolet	Suburban 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
321	2004	Chevrolet	Suburban 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
322	2004	Chevrolet	Suburban 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
323	2004	Chevrolet	Suburban 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447260	ALL
324	2004	Chevrolet	Suburban 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447274	ALL
325	2005	Chevrolet	Astro	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447105	ALL
326	2005	Chevrolet	Astro	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447106	ALL
327	2005	Chevrolet	Astro	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447209	ALL
328	2005	Chevrolet	Astro	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	U	DIRECT FIT	447238	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
329	2005	Chevrolet	Avalanche 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	2WD
330	2005	Chevrolet	Avalanche 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	2WD
331	2005	Chevrolet	Avalanche 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	4WD
332	2005	Chevrolet	Avalanche 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	4WD
333	2005	Chevrolet	Avalanche 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447260	4WD
334	2005	Chevrolet	Avalanche 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447274	4WD
335	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
336	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
337	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
338	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
339	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
340	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
341	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
342	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
343	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
344	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
345	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
346	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
347	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
348	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
349	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
350	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
351	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
352	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
353	2005	Chevrolet	Express 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
354	2005	Chevrolet	Express 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
355	2005	Chevrolet	Express 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
356	2005	Chevrolet	Express 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
357	2005	Chevrolet	Express 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
358	2005	Chevrolet	Express 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
359	2005	Chevrolet	Express 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
360	2005	Chevrolet	Express 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
361	2005	Chevrolet	Express 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
362	2005	Chevrolet	Express 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
363	2005	Chevrolet	Express 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
364	2005	Chevrolet	Express 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
365	2005	Chevrolet	Express 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
366	2005	Chevrolet	Express 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
367	2005	Chevrolet	Express 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
368	2005	Chevrolet	Express 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
369	2005	Chevrolet	Express 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
370	2005	Chevrolet	Express 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
371	2005	Chevrolet	Express 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
372	2005	Chevrolet	Express 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
373	2005	Chevrolet	Express 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
374	2005	Chevrolet	Express 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
375	2005	Chevrolet	Express 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
376	2005	Chevrolet	Express 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
377	2005	Chevrolet	Express 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
378	2005	Chevrolet	Express 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
379	2005	Chevrolet	Silverado 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447109	ALL
380	2005	Chevrolet	Silverado 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447109	ALL
381	2005	Chevrolet	Silverado 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447283	ALL
382	2005	Chevrolet	Silverado 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447209	ALL
383	2005	Chevrolet	Silverado 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447270	ALL
384	2005	Chevrolet	Silverado 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447209	ALL
385	2005	Chevrolet	Silverado 1500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
386	2005	Chevrolet	Silverado 1500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
387	2005	Chevrolet	Silverado 1500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
388	2005	Chevrolet	Silverado 1500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
389	2005	Chevrolet	Silverado 1500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447262	ALL
390	2005	Chevrolet	Silverado 1500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447275	ALL
391	2005	Chevrolet	Silverado 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
392	2005	Chevrolet	Silverado 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
393	2005	Chevrolet	Silverado 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
394	2005	Chevrolet	Silverado 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
395	2005	Chevrolet	Silverado 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
396	2005	Chevrolet	Silverado 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447281	ALL
397	2005	Chevrolet	Silverado 2500 HD	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
398	2005	Chevrolet	Silverado 2500 HD	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
399	2005	Chevrolet	Silverado 3500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
400	2005	Chevrolet	Silverado 3500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
401	2005	Chevrolet	Silverado 3500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
402	2005	Chevrolet	Silverado 3500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
403	2005	Chevrolet	Suburban 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
404	2005	Chevrolet	Suburban 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
405	2005	Chevrolet	Suburban 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
406	2005	Chevrolet	Suburban 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
407	2005	Chevrolet	Suburban 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
408	2005	Chevrolet	Suburban 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
409	2005	Chevrolet	Suburban 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
410	2005	Chevrolet	Suburban 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
411	2005	Chevrolet	Suburban 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
412	2005	Chevrolet	Suburban 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
413	2005	Chevrolet	Suburban 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447260	ALL
414	2005	Chevrolet	Suburban 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447274	ALL
415	2006	Chevrolet	Silverado 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447109	ALL
416	2006	Chevrolet	Silverado 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447109	ALL
417	2006	Chevrolet	Silverado 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447281	ALL
418	2006	Chevrolet	Silverado 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447209	ALL
419	2006	Chevrolet	Silverado 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447269	ALL
420	2006	Chevrolet	Silverado 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447209	ALL
421	2006	Chevrolet	Silverado 1500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
422	2006	Chevrolet	Silverado 1500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
423	2006	Chevrolet	Silverado 1500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
424	2006	Chevrolet	Silverado 1500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
425	2006	Chevrolet	Silverado 1500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447262	ALL
426	2006	Chevrolet	Silverado 1500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447275	ALL
427	2006	Chevrolet	Silverado 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
428	2006	Chevrolet	Silverado 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
429	2006	Chevrolet	Silverado 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
430	2006	Chevrolet	Silverado 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
431	2006	Chevrolet	Silverado 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447269	ALL
432	2006	Chevrolet	Silverado 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447281	ALL
433	2006	Chevrolet	Silverado 2500 HD	8.1	6GMXT08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
434	2006	Chevrolet	Silverado 2500 HD	8.1	6GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
435	2006	Chevrolet	Silverado 2500 HD	8.1	6GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
436	2006	Chevrolet	Silverado 2500 HD	8.1	6GMXT08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
437	2006	Chevrolet	Silverado 3500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
438	2006	Chevrolet	Silverado 3500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
439	2006	Chevrolet	Silverado 3500	8.1	6GMXT08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
440	2006	Chevrolet	Silverado 3500	8.1	6GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
441	2006	Chevrolet	Silverado 3500	8.1	6GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
442	2006	Chevrolet	Silverado 3500	8.1	6GMXT08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
443	2000	Dodge	Dakota	4.7	YCRXT0287232	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	2WD
444	2000	Dodge	Dakota	4.7	YCRXT0287232	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	4WD
445	2000	Dodge	Dakota	4.7	YCRXT0287232	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	2WD
446	2000	Dodge	Dakota	4.7	YCRXT0287232	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	4WD
447	2000	Dodge	Dakota	4.7	YCRXT0287232	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	4WD
448	2000	Dodge	Dakota	4.7	YCRXT0287232	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	2WD
449	2000	Dodge	Dakota	4.7	YCRXT0287232	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447244	4WD
450	2000	Dodge	Dakota	4.7	YCRXT0287232	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447248	2WD
451	2000	Dodge	Ram 1500	5.2	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
452	2000	Dodge	Ram 1500	5.2	YCRXA0360H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
453	2000	Dodge	Ram 1500	5.2	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
454	2000	Dodge	Ram 1500	5.2	YCRXA0360H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
455	2000	Dodge	Ram 1500	5.2	YCRXA0360H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
456	2000	Dodge	Ram 1500	5.2	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
457	2000	Dodge	Ram 1500	5.2	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
458	2000	Dodge	Ram 1500	5.2	YCRXA0360H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
459	2000	Dodge	Ram 1500	5.9	YCRXA0360H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
460	2000	Dodge	Ram 1500	5.9	YCRXA0360H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
461	2000	Dodge	Ram 1500	5.9	YCRXA0360H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
462	2000	Dodge	Ram 1500	5.9	YCRXA0360H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
463	2000	Dodge	Ram 2500	5.9	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
464	2000	Dodge	Ram 2500	5.9	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
465	2000	Dodge	Ram 2500	5.9	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
466	2000	Dodge	Ram 2500	5.9	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
467	2000	Dodge	Ram 3500	5.9	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
468	2000	Dodge	Ram 3500	5.9	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
469	2000	Dodge	Ram 3500	5.9	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
470	2000	Dodge	Ram 3500	5.9	YCRXA0360J31	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
471	2001	Dodge	Dakota	3.9	1CRXT03.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	2WD
472	2001	Dodge	Dakota	3.9	1CRXT03.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	4WD
473	2001	Dodge	Dakota	3.9	1CRXT03.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	4WD
474	2001	Dodge	Dakota	3.9	1CRXT03.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	2WD
475	2001	Dodge	Dakota	3.9	1CRXT03.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	4WD
476	2001	Dodge	Dakota	3.9	1CRXT03.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	4WD
477	2001	Dodge	Dakota	3.9	1CRXT03.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	2WD
478	2001	Dodge	Dakota	3.9	1CRXT03.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	2WD
479	2001	Dodge	Dakota	3.9	1CRXT03.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	4WD
480	2001	Dodge	Dakota	3.9	1CRXT03.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	4WD
481	2001	Dodge	Dakota	3.9	1CRXT03.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	2WD
482	2001	Dodge	Dakota	3.9	1CRXT03.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	2WD
483	2001	Dodge	Dakota	3.9	1CRXT03.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447241	4WD
484	2001	Dodge	Dakota	3.9	1CRXT03.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447241	4WD
485	2001	Dodge	Dakota	3.9	1CRXT03.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447255	2WD
486	2001	Dodge	Dakota	3.9	1CRXT03.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447255	2WD
487	2001	Dodge	Dakota	4.7	1CRXT04.72D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	2WD
488	2001	Dodge	Dakota	4.7	1CRXT04.75B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	4WD
489	2001	Dodge	Dakota	4.7	1CRXT04.72D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	4WD
490	2001	Dodge	Dakota	4.7	1CRXT04.75B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	2WD
491	2001	Dodge	Dakota	4.7	1CRXT04.72D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	2WD
492	2001	Dodge	Dakota	4.7	1CRXT04.75B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	4WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
493	2001	Dodge	Dakota	4.7	1CRXT04.75B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	2WD
494	2001	Dodge	Dakota	4.7	1CRXT04.72D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	4WD
495	2001	Dodge	Dakota	4.7	1CRXT04.72D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	2WD
496	2001	Dodge	Dakota	4.7	1CRXT04.75B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	4WD
497	2001	Dodge	Dakota	4.7	1CRXT04.75B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	2WD
498	2001	Dodge	Dakota	4.7	1CRXT04.72D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	4WD
499	2001	Dodge	Dakota	4.7	1CRXT04.75B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447244	4WD
500	2001	Dodge	Dakota	4.7	1CRXT04.72D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447244	4WD
501	2001	Dodge	Dakota	4.7	1CRXT04.72D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447248	2WD
502	2001	Dodge	Dakota	4.7	1CRXT04.75B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447248	2WD
503	2001	Dodge	Dakota	5.9	1CRXT05.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	2WD
504	2001	Dodge	Dakota	5.9	1CRXT05.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	2WD
505	2001	Dodge	Dakota	5.9	1CRXT05.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	4WD
506	2001	Dodge	Dakota	5.9	1CRXT05.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	4WD
507	2001	Dodge	Dakota	5.9	1CRXT05.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	4WD
508	2001	Dodge	Dakota	5.9	1CRXT05.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	4WD
509	2001	Dodge	Dakota	5.9	1CRXT05.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	2WD
510	2001	Dodge	Dakota	5.9	1CRXT05.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	2WD
511	2001	Dodge	Dakota	5.9	1CRXT05.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	4WD
512	2001	Dodge	Dakota	5.9	1CRXT05.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	2WD
513	2001	Dodge	Dakota	5.9	1CRXT05.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	4WD
514	2001	Dodge	Dakota	5.9	1CRXT05.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	2WD
515	2001	Dodge	Dakota	5.9	1CRXT05.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447241	4WD
516	2001	Dodge	Dakota	5.9	1CRXT05.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447241	4WD
517	2001	Dodge	Dakota	5.9	1CRXT05.92D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447246	2WD
518	2001	Dodge	Dakota	5.9	1CRXT05.95B5	TIER1	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447246	2WD
519	2001	Dodge	Ram 1500	5.2	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
520	2001	Dodge	Ram 1500	5.2	1CRXA0318H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
521	2001	Dodge	Ram 1500	5.2	1CRXA0360H38	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
522	2001	Dodge	Ram 1500	5.2	1CRXA0360H38	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
523	2001	Dodge	Ram 1500	5.2	1CRXA0318H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
524	2001	Dodge	Ram 1500	5.2	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
525	2001	Dodge	Ram 1500	5.2	1CRXA0318H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
526	2001	Dodge	Ram 1500	5.2	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
527	2001	Dodge	Ram 1500	5.2	1CRXA0360H38	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
528	2001	Dodge	Ram 1500	5.2	1CRXA0360H38	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
529	2001	Dodge	Ram 1500	5.2	1CRXA0318H31	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
530	2001	Dodge	Ram 1500	5.2	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
531	2001	Dodge	Ram 1500	5.9	1CRXA0360H38	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
532	2001	Dodge	Ram 1500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
533	2001	Dodge	Ram 1500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
534	2001	Dodge	Ram 1500	5.9	1CRXA0360H38	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
535	2001	Dodge	Ram 1500	5.9	1CRXA0360H38	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
536	2001	Dodge	Ram 1500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
537	2001	Dodge	Ram 1500	5.9	1CRXA0360H38	LEV1 LEV	MDV2	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
538	2001	Dodge	Ram 1500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
539	2001	Dodge	Ram 2500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
540	2001	Dodge	Ram 2500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
541	2001	Dodge	Ram 2500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
542	2001	Dodge	Ram 2500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
543	2001	Dodge	Ram 3500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
544	2001	Dodge	Ram 3500	5.9	1CRXA0360K38	LEV1 LEV	MDV4	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL
545	2001	Dodge	Ram 3500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
546	2001	Dodge	Ram 3500	5.9	1CRXA0360K38	LEV1 LEV	MDV4	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
547	2001	Dodge	Ram 3500	5.9	1CRXA0360K38	LEV1 LEV	MDV4	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
548	2001	Dodge	Ram 3500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
549	2001	Dodge	Ram 3500	5.9	1CRXA0360K38	LEV1 LEV	MDV4	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
550	2001	Dodge	Ram 3500	5.9	1CRXA0360J38	LEV1 LEV	MDV3	DS	TWC,2WU-OC	3	2	U	DIRECT FIT	447233	ALL
551	1995	Ford	Ranger	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
552	1995	Ford	Ranger	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
553	1995	Ford	Ranger	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
554	1995	Ford	Ranger	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
555	1995	Ford	Ranger	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
556	1995	Ford	Ranger	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
557	1995	Ford	Ranger	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
558	1995	Ford	Ranger	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
559	1995	Ford	Ranger	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
560	1995	Ford	Ranger	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
561	1996	Ford	Aerostar	3	TFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
562	1996	Ford	Aerostar	3	TFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
563	1996	Ford	Aerostar	3	TFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
564	1996	Ford	Aerostar	3	TFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
565	1996	Ford	Aerostar	3	TFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447250	ALL
566	1996	Ford	Aerostar	4	TFM4.028GIGK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
567	1996	Ford	Aerostar	4	TFM4.028GIGK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
568	1996	Ford	Aerostar	4	TFM4.028GIGK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
569	1996	Ford	Aerostar	4	TFM4.028GIGK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
570	1996	Ford	Aerostar	4	TFM4.028GIGK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
571	1996	Ford	Aerostar	4	TFM4.028GIGK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
572	1996	Ford	Bronco	5	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	447107	ALL
573	1996	Ford	Bronco	5	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
574	1996	Ford	Bronco	5	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
575	1996	Ford	Bronco	5.8	TFM5.8H8G1EK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	447107	ALL
576	1996	Ford	Bronco	5.8	TFM5.8H8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
577	1996	Ford	Bronco	5.8	TFM5.8H8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
578	1996	Ford	50 Econoline Club Wa	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	1	F	UNIVERSAL	447107	ALL
579	1996	Ford	50 Econoline Club Wa	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
580	1996	Ford	50 Econoline Club Wa	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	1	R	UNIVERSAL	447206	ALL
581	1996	Ford	50 Econoline Club Wa	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	1	U	DIRECT FIT	447245	ALL
582	1996	Ford	E-150 Econoline	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
583	1996	Ford	E-150 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
584	1996	Ford	E-150 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
585	1996	Ford	E-150 Econoline	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
586	1996	Ford	E-150 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
587	1996	Ford	E-150 Econoline	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
588	1996	Ford	E-150 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	U	DIRECT FIT	447254	ALL
589	1996	Ford	E-150 Econoline	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	U	DIRECT FIT	447254	ALL
590	1996	Ford	E-150 Econoline	5	TFM5.0J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
591	1996	Ford	E-150 Econoline	5	TFM5.0J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
592	1996	Ford	E-150 Econoline	5	TFM5.0J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
593	1996	Ford	E-150 Econoline	5	TFM5.0J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	U	DIRECT FIT	447257	ALL
594	1996	Ford	E-150 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
595	1996	Ford	E-150 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
596	1996	Ford	E-150 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
597	1996	Ford	E-150 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	U	DIRECT FIT	447232	ALL
598	1996	Ford	E-250 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
599	1996	Ford	E-250 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
600	1996	Ford	E-250 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
601	1996	Ford	E-250 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
602	1996	Ford	E-250 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
603	1996	Ford	E-250 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
604	1996	Ford	E-250 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	U	DIRECT FIT	447232	ALL
605	1996	Ford	E-350 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
606	1996	Ford	E-350 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
607	1996	Ford	E-350 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
608	1996	Ford	E-350 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	U	DIRECT FIT	447254	ALL
609	1996	Ford	E-350 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
610	1996	Ford	E-350 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
611	1996	Ford	E-350 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
612	1996	Ford	E-350 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	U	DIRECT FIT	447232	ALL
613	1996	Ford	Explorer	4	TFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
614	1996	Ford	Explorer	4	TFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
615	1996	Ford	Explorer	4	TFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
616	1996	Ford	Explorer	4	TFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
617	1996	Ford	Explorer	4	TFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
618	1996	Ford	Explorer	4	TFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
619	1996	Ford	Explorer	4	TFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
620	1996	Ford	Explorer	4	TFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
621	1996	Ford	Explorer	4	TFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447234	ALL
622	1996	Ford	Explorer	4	TFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447234	ALL
623	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
624	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
625	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
626	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
627	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
628	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
629	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
630	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
631	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447101	ALL
632	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
633	1996	Ford	Explorer	5	TFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
634	1996	Ford	F-150	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
635	1996	Ford	F-150	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
636	1996	Ford	F-150	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
637	1996	Ford	F-150	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	U	DIRECT FIT	447245	ALL
638	1996	Ford	F-150	5	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	447107	ALL
639	1996	Ford	F-150	5	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
640	1996	Ford	F-150	5	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
641	1996	Ford	F-150	5	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	U	DIRECT FIT	447251	ALL
642	1996	Ford	F-150	5.8	TFM5.8H8G1EK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	447107	ALL
643	1996	Ford	F-150	5.8	TFM5.8H8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
644	1996	Ford	F-150	5.8	TFM5.8H8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
645	1996	Ford	F-250	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
646	1996	Ford	F-250	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
647	1996	Ford	F-250	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
648	1996	Ford	F-250	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	U	DIRECT FIT	447245	ALL
649	1996	Ford	F-250	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
650	1996	Ford	F-250	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
651	1996	Ford	F-250	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
652	1996	Ford	F-350	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
653	1996	Ford	F-350	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL
654	1996	Ford	F-350	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
655	1996	Ford	F-350	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	F	UNIVERSAL	447107	ALL
656	1996	Ford	F-350	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447205	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
657	1996	Ford	F-350	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC,OC	2	2	R	UNIVERSAL	447206	ALL
658	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447104	ALL
659	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
660	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
661	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
662	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447106	ALL
663	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447204	ALL
664	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
665	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
666	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447206	ALL
667	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
668	1996	Ford	Ranger	3	TFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
669	1996	Ford	Ranger	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
670	1996	Ford	Ranger	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
671	1996	Ford	Ranger	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
672	1996	Ford	Ranger	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
673	1996	Ford	Ranger	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
674	1996	Ford	Ranger	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
675	1996	Ford	Ranger	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
676	1996	Ford	Ranger	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
677	1996	Ford	Ranger	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
678	1996	Ford	Ranger	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
679	1996	Ford	Ranger	4	TFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	U	DIRECT FIT	447235	ALL
680	1997	Ford	Aerostar	3	VFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
681	1997	Ford	Aerostar	3	VFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
682	1997	Ford	Aerostar	3	VFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
683	1997	Ford	Aerostar	3	VFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
684	1997	Ford	Aerostar	3	VFM3.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447250	ALL
685	1997	Ford	Aerostar	4	VFM4.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
686	1997	Ford	Aerostar	4	VFM4.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
687	1997	Ford	Aerostar	4	VFM4.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
688	1997	Ford	Aerostar	4	VFM4.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
689	1997	Ford	Aerostar	4	VFM4.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
690	1997	Ford	Aerostar	4	VFM4.028G1GK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
691	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
692	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
693	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
694	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
695	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
696	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
697	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
698	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
699	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
700	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
701	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
702	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
703	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
704	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	DIRECT FIT	447110	ALL
705	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
706	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
707	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
708	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447183	ALL
709	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
710	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
711	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
712	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
713	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
714	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
715	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
716	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
717	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
718	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
719	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
720	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
721	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
722	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	DIRECT FIT	447110	ALL
723	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
724	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
725	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
726	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447183	ALL
727	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
728	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
729	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
730	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
731	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
732	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
733	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
734	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
735	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
736	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
737	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447149	4WD
738	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
739	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447150	4WD
740	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
741	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
742	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
743	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
744	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
745	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
746	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
747	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
748	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
749	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
750	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
751	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
752	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
753	1997	Ford	Explorer	4	VFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
754	1997	Ford	Explorer	4	VFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
755	1997	Ford	Explorer	4	VFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
756	1997	Ford	Explorer	4	VFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
757	1997	Ford	Explorer	4	VFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
758	1997	Ford	Explorer	4	VFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
759	1997	Ford	Explorer	4	VFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
760	1997	Ford	Explorer	4	VFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
761	1997	Ford	Explorer	4	VFM4.028G2FK	TLEV	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447234	ALL
762	1997	Ford	Explorer	4	VFM4.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447234	ALL
763	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
764	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
765	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
766	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
767	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
768	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
769	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
770	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
771	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447101	ALL
772	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
773	1997	Ford	Explorer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
774	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
775	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
776	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
777	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
778	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447131	2WD
779	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447139	4WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
780	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447132	2WD
781	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447140	4WD
782	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447133	ALL
783	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
784	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
785	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
786	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447177	ALL
787	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
788	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
789	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
790	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447134	ALL
791	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447178	ALL
792	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447256	ALL
793	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
794	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
795	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447256	ALL
796	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
797	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
798	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
799	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
800	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
801	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
802	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
803	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
804	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
805	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
806	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447127	ALL
807	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	4WD
808	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
809	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
810	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
811	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447181	ALL
812	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
813	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
814	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	4WD
815	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
816	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447128	ALL
817	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447182	ALL
818	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
819	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	4WD
820	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	4WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
821	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	2WD
822	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
823	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	4WD
824	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
825	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
826	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	4WD
827	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
828	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
829	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
830	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	4WD
831	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
832	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
833	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
834	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
835	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
836	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447127	4WD
837	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
838	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
839	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
840	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
841	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
842	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447128	4WD
843	1997	Ford	F-150	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
844	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
845	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
846	1997	Ford	F-250 HD	5.8	VFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	447107	ALL
847	1997	Ford	F-250 HD	5.8	VFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
848	1997	Ford	F-250 HD	5.8	VFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
849	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	4WD
850	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
851	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
852	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	4WD
853	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
854	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	4WD
855	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	4WD
856	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
857	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
858	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
859	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
860	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
861	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	4WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
862	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
863	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	4WD
864	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
865	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
866	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	4WD
867	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	4WD
868	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
869	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	4WD
870	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
871	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	4WD
872	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
873	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
874	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
875	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
876	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
877	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
878	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
879	1997	Ford	F-350	5.8	VFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	447107	ALL
880	1997	Ford	F-350	5.8	VFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
881	1997	Ford	F-350	5.8	VFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
882	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447104	ALL
883	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
884	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
885	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447106	ALL
886	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
887	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447204	ALL
888	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
889	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
890	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447206	ALL
891	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
892	1997	Ford	Ranger	3	VFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
893	1997	Ford	Ranger	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
894	1997	Ford	Ranger	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
895	1997	Ford	Ranger	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
896	1997	Ford	Ranger	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
897	1997	Ford	Ranger	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
898	1997	Ford	Ranger	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
899	1997	Ford	Ranger	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
900	1997	Ford	Ranger	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
901	1997	Ford	Ranger	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
902	1997	Ford	Ranger	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
903	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
904	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
905	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
906	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
907	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
908	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
909	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
910	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
911	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
912	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
913	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
914	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
915	1998	Ford	50 Econoline Club Wa	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
916	1998	Ford	50 Econoline Club Wa	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447177	ALL
917	1998	Ford	50 Econoline Club Wa	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
918	1998	Ford	50 Econoline Club Wa	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447178	ALL
919	1998	Ford	50 Econoline Club Wa	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
920	1998	Ford	50 Econoline Club Wa	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
921	1998	Ford	50 Econoline Club Wa	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
922	1998	Ford	50 Econoline Club Wa	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
923	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
924	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
925	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
926	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
927	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
928	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
929	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
930	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
931	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
932	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
933	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
934	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
935	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447133	4WD
936	1998	Ford	E-150 Econoline	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
937	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
938	1998	Ford	E-150 Econoline	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447177	2WD
939	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447178	2WD
940	1998	Ford	E-150 Econoline	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
941	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
942	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447134	4WD
943	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447177	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
944	1998	Ford	E-150 Econoline	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447178	2WD
945	1998	Ford	E-150 Econoline	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
946	1998	Ford	E-150 Econoline	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
947	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447256	ALL
948	1998	Ford	E-150 Econoline	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
949	1998	Ford	E-150 Econoline	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
950	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447256	ALL
951	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
952	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
953	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
954	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
955	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
956	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
957	1998	Ford	E-250 Econoline	5.4	WG9XA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
958	1998	Ford	E-250 Econoline	5.4	WG9XA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
959	1998	Ford	E-250 Econoline	5.4	WG9XA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
960	1998	Ford	E-350 Econoline	5.4	WG9XA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
961	1998	Ford	E-350 Econoline	5.4	WG9XA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
962	1998	Ford	E-350 Econoline	5.4	WG9XA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
963	1998	Ford	Expedition	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
964	1998	Ford	Expedition	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447256	ALL
965	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
966	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
967	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
968	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
969	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
970	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
971	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
972	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
973	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
974	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
975	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
976	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
977	1998	Ford	Explorer	4	WFMXT04.0FAA	TLEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447105	ALL
978	1998	Ford	Explorer	4	WFMXT04.0FAA	TLEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447106	ALL
979	1998	Ford	Explorer	4	WFMXT04.02DC	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
980	1998	Ford	Explorer	4	WFMXT04.0CAA	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
981	1998	Ford	Explorer	4	WFMXT04.0CAA	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
982	1998	Ford	Explorer	4	WFMXT04.02DC	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
983	1998	Ford	Explorer	4	WFMXT04.0FAA	TLEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
984	1998	Ford	Explorer	4	WFMXT04.0FAA	TLEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
985	1998	Ford	Explorer	4	WFMXT04.02DC	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
986	1998	Ford	Explorer	4	WFMXT04.0CAA	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
987	1998	Ford	Explorer	4	WFMXT04.0CAA	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
988	1998	Ford	Explorer	4	WFMXT04.02DC	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
989	1998	Ford	Explorer	4	WFMXT04.02DC	TLEV	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447234	ALL
990	1998	Ford	Explorer	4	WFMXT04.0CAA	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447234	ALL
991	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
992	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
993	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
994	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
995	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
996	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
997	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
998	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
999	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
1000	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
1001	1998	Ford	F-150	4.2	WFMXT04.2AAA	TIER1	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
1002	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1003	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1004	1998	Ford	F-150	4.2	WFMXT04.2AAA	TIER1	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447256	ALL
1005	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1006	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1007	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447131	2WD
1008	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447139	4WD
1009	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447132	2WD
1010	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447140	4WD
1011	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1012	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1013	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1014	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1015	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1016	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1017	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1018	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1019	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1020	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1021	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1022	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1023	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
1024	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
1025	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1026	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
1027	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
1028	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
1029	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
1030	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
1031	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
1032	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
1033	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
1034	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
1035	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
1036	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
1037	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
1038	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
1039	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
1040	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
1041	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
1042	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
1043	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
1044	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
1045	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
1046	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
1047	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
1048	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
1049	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
1050	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
1051	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
1052	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
1053	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
1054	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
1055	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
1056	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
1057	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
1058	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
1059	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	4WD
1060	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	2WD
1061	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	4WD
1062	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	4WD
1063	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	2WD
1064	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	2WD
1065	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	2WD
1066	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	4WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1067	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	2WD
1068	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	4WD
1069	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
1070	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
1071	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
1072	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
1073	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
1074	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
1075	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
1076	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
1077	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
1078	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
1079	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
1080	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
1081	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
1082	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
1083	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
1084	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
1085	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
1086	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
1087	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
1088	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
1089	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
1090	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
1091	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
1092	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
1093	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
1094	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
1095	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
1096	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
1097	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
1098	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
1099	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
1100	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
1101	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
1102	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
1103	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
1104	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
1105	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447115	2WD
1106	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447115	2WD
1107	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447115	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1108	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447115	2WD
1109	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447115	2WD
1110	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447115	2WD
1111	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
1112	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
1113	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
1114	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
1115	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
1116	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
1117	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447181	2WD
1118	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447181	2WD
1119	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447258	2WD
1120	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447258	2WD
1121	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447258	2WD
1122	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447258	2WD
1123	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447265	4WD
1124	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447265	4WD
1125	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447265	4WD
1126	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UL	DIRECT FIT	447265	4WD
1127	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447116	2WD
1128	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447116	2WD
1129	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447116	2WD
1130	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447116	2WD
1131	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447116	2WD
1132	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447116	2WD
1133	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
1134	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
1135	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
1136	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
1137	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
1138	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
1139	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447182	2WD
1140	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447182	2WD
1141	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447271	2WD
1142	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447271	2WD
1143	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447271	2WD
1144	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447271	2WD
1145	1998	Ford	F-150	5.4	WG9XA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447278	4WD
1146	1998	Ford	F-150	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447278	4WD
1147	1998	Ford	F-150	5.4	WG9XA05.45BF	LEV1 LEV	MDV2	D	2TWC(2)	4	2	UR	DIRECT FIT	447278	4WD
1148	1998	Ford	F-150	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447278	4WD

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
1149	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1150	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1151	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1152	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1153	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
1154	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
1155	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
1156	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
1157	1998	Ford	F-250	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
1158	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
1159	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
1160	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	4WD
1161	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	2WD
1162	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
1163	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	2WD
1164	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
1165	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	4WD
1166	1998	Ford	F-250	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1167	1998	Ford	F-250	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1168	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	4WD
1169	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	2WD
1170	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	2WD
1171	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	4WD
1172	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
1173	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
1174	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	4WD
1175	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	2WD
1176	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
1177	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
1178	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	2WD
1179	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	4WD
1180	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
1181	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
1182	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	4WD
1183	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	2WD
1184	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447115	2WD
1185	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447115	2WD
1186	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
1187	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447129	4WD
1188	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447258	2WD
1189	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447258	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1190	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447259	4WD
1191	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447259	4WD
1192	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447116	2WD
1193	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447116	2WD
1194	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
1195	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447130	4WD
1196	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447271	2WD
1197	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447271	2WD
1198	1998	Ford	F-250	5.4	WG9XA05.46BF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447272	4WD
1199	1998	Ford	F-250	5.4	WG9XA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447272	4WD
1200	1998	Ford	Ranger	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447174	ALL
1201	1998	Ford	Ranger	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	F	DIRECT FIT	447189	ALL
1202	1998	Ford	Ranger	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1203	1998	Ford	Ranger	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1204	1998	Ford	Ranger	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447215	ALL
1205	1998	Ford	Ranger	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447174	ALL
1206	1998	Ford	Ranger	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447174	ALL
1207	1998	Ford	Ranger	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447189	ALL
1208	1998	Ford	Ranger	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447189	ALL
1209	1998	Ford	Ranger	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1210	1998	Ford	Ranger	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1211	1998	Ford	Ranger	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1212	1998	Ford	Ranger	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1213	1998	Ford	Ranger	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	DIRECT FIT	447215	ALL
1214	1998	Ford	Ranger	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	DIRECT FIT	447215	ALL
1215	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1216	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1217	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1218	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1219	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1220	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1221	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1222	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1223	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
1224	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
1225	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
1226	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
1227	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1228	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	DIRECT FIT	447110	ALL
1229	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1230	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1231	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1232	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447183	ALL
1233	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1234	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1235	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1236	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1237	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1238	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1239	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1240	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1241	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
1242	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
1243	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
1244	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
1245	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1246	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	DIRECT FIT	447110	ALL
1247	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1248	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1249	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1250	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447183	ALL
1251	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1252	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1253	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1254	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1255	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
1256	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
1257	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1258	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1259	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1260	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1261	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447111	2WD
1262	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447113	4WD
1263	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447112	2WD
1264	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447114	4WD
1265	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1266	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1267	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1268	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1269	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1270	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1271	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1272	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
1273	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1274	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
1275	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
1276	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
1277	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
1278	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1279	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1280	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
1281	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1282	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1283	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
1284	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
1285	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1286	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1287	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1288	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1289	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447141	2WD
1290	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447143	4WD
1291	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447142	2WD
1292	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447144	4WD
1293	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1294	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1295	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1296	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1297	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447135	2WD
1298	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447137	4WD
1299	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447136	2WD
1300	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447138	4WD
1301	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(3)	6	2	F	UNIVERSAL	447176	ALL
1302	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1303	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1304	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1305	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1306	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1307	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1308	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(3)	6	2	R	UNIVERSAL	447205	ALL
1309	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(3)	6	2	R	UNIVERSAL	447206	ALL
1310	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1311	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1312	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1313	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1314	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1315	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1316	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1317	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1318	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
1319	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
1320	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
1321	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
1322	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	UL	UNIVERSAL	447205	ALL
1323	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	UL	UNIVERSAL	447206	ALL
1324	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1325	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1326	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
1327	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
1328	1999	Ford	F-250	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1329	1999	Ford	F-250	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1330	1999	Ford	F-250	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1331	1999	Ford	F-250	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1332	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1333	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1334	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1335	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1336	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1337	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1338	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
1339	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1340	1999	Ford	Ranger	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447174	ALL
1341	1999	Ford	Ranger	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	F	DIRECT FIT	447189	ALL
1342	1999	Ford	Ranger	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1343	1999	Ford	Ranger	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1344	1999	Ford	Ranger	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447215	ALL
1345	1999	Ford	Ranger	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447174	ALL
1346	1999	Ford	Ranger	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447174	ALL
1347	1999	Ford	Ranger	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447189	ALL
1348	1999	Ford	Ranger	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447189	ALL
1349	1999	Ford	Ranger	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1350	1999	Ford	Ranger	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1351	1999	Ford	Ranger	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1352	1999	Ford	Ranger	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1353	1999	Ford	Ranger	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	DIRECT FIT	447215	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1354	1999	Ford	Ranger	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	DIRECT FIT	447215	ALL
1355	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447158	ALL
1356	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
1357	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1358	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1359	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
1360	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1361	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1362	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447159	ALL
1363	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447256	ALL
1364	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1365	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1366	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447256	ALL
1367	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1368	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1369	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1370	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1371	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1372	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1373	2000	Ford	50 Econoline Club Wa	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447156	ALL
1374	2000	Ford	50 Econoline Club Wa	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
1375	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1376	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1377	2000	Ford	50 Econoline Club Wa	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
1378	2000	Ford	50 Econoline Club Wa	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447157	ALL
1379	2000	Ford	50 Econoline Club Wa	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1380	2000	Ford	50 Econoline Club Wa	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1381	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1382	2000	Ford	50 Econoline Club Wa	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1383	2000	Ford	50 Econoline Club Wa	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1384	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1385	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
1386	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
1387	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1388	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1389	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
1390	2000	Ford	50 Econoline Club Wa	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1391	2000	Ford	E-150 Econoline	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
1392	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1393	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1394	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1395	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1396	2000	Ford	E-150 Econoline	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447256	ALL
1397	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1398	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1399	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1400	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1401	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1402	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1403	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1404	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1405	2000	Ford	E-150 Econoline	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
1406	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1407	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1408	2000	Ford	E-150 Econoline	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447256	ALL
1409	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1410	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1411	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
1412	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
1413	2000	Ford	E-150 Econoline	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	UNIVERSAL	447176	ALL
1414	2000	Ford	E-150 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1415	2000	Ford	E-150 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1416	2000	Ford	E-150 Econoline	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447209	ALL
1417	2000	Ford	E-150 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
1418	2000	Ford	E-150 Econoline	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1419	2000	Ford	E-250 Econoline	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
1420	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1421	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1422	2000	Ford	E-250 Econoline	4.2	YFMXT04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447256	ALL
1423	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1424	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1425	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1426	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1427	2000	Ford	E-250 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1428	2000	Ford	E-250 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1429	2000	Ford	E-250 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1430	2000	Ford	E-250 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1431	2000	Ford	E-250 Econoline	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447209	ALL
1432	2000	Ford	E-250 Econoline	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1433	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1434	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1435	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1436	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1437	2000	Ford	50 Econoline Club Wa	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1438	2000	Ford	50 Econoline Club Wa	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1439	2000	Ford	50 Econoline Club Wa	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1440	2000	Ford	50 Econoline Club Wa	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1441	2000	Ford	50 Econoline Club Wa	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1442	2000	Ford	E-350 Super Duty	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1443	2000	Ford	E-350 Super Duty	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1444	2000	Ford	E-350 Super Duty	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1445	2000	Ford	Expedition	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
1446	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447111	2WD
1447	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447113	4WD
1448	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
1449	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1450	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1451	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
1452	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447112	2WD
1453	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447114	4WD
1454	2000	Ford	Expedition	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1455	2000	Ford	Expedition	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1456	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1457	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1458	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1459	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1460	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1461	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1462	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447111	2WD
1463	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447113	4WD
1464	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447112	2WD
1465	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447114	4WD
1466	2000	Ford	Expedition	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
1467	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1468	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1469	2000	Ford	Expedition	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1470	2000	Ford	Expedition	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1471	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1472	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1473	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1474	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1475	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
1476	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1477	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1478	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
1479	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
1480	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
1481	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
1482	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1483	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1484	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
1485	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1486	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1487	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
1488	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
1489	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1490	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1491	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1492	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1493	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447141	2WD
1494	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447143	4WD
1495	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447142	2WD
1496	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447144	4WD
1497	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1498	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1499	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1500	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1501	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447135	2WD
1502	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447137	4WD
1503	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447136	2WD
1504	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447138	4WD
1505	2000	Ford	F-150	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
1506	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1507	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1508	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1509	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1510	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1511	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1512	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1513	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1514	2000	Ford	F-150	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1515	2000	Ford	F-150	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1516	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1517	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1518	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1519	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
1520	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1521	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
1522	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1523	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1524	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1525	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1526	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
1527	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1528	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1529	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1530	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1531	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
1532	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
1533	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
1534	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
1535	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
1536	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
1537	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
1538	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1539	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1540	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1541	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
1542	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
1543	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
1544	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1545	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1546	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1547	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1548	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1549	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1550	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1551	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1552	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1553	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1554	2001	Ford	50 Econoline Club Wa	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1555	2001	Ford	50 Econoline Club Wa	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1556	2001	Ford	50 Econoline Club Wa	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
1557	2001	Ford	50 Econoline Club Wa	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
1558	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1559	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1560	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
1561	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1562	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1563	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1564	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1565	2001	Ford	E-150 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1566	2001	Ford	E-150 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1567	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1568	2001	Ford	E-150 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1569	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1570	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1571	2001	Ford	E-150 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1572	2001	Ford	E-150 Econoline	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1573	2001	Ford	E-150 Econoline	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1574	2001	Ford	E-150 Econoline	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
1575	2001	Ford	E-150 Econoline	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
1576	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1577	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1578	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
1579	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1580	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1581	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1582	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1583	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1584	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1585	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1586	2001	Ford	E-250 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1587	2001	Ford	E-250 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1588	2001	Ford	E-250 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1589	2001	Ford	E-250 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1590	2001	Ford	E-250 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1591	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1592	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1593	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1594	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1595	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1596	2001	Ford	50 Econoline Club Wa	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1597	2001	Ford	50 Econoline Club Wa	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1598	2001	Ford	50 Econoline Club Wa	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1599	2001	Ford	50 Econoline Club Wa	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1600	2001	Ford	E-350 Super Duty	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1601	2001	Ford	E-350 Super Duty	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1602	2001	Ford	E-350 Super Duty	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1603	2001	Ford	E-350 Super Duty	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1604	2001	Ford	E-350 Super Duty	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1605	2001	Ford	E-350 Super Duty	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1606	2001	Ford	E-350 Super Duty	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1607	2001	Ford	E-350 Super Duty	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1608	2001	Ford	E-350 Super Duty	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1609	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447121	2WD
1610	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447121	2WD
1611	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447123	4WD
1612	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447123	4WD
1613	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1614	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
1615	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
1616	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1617	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1618	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1619	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
1620	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
1621	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447122	2WD
1622	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447122	2WD
1623	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447124	4WD
1624	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447124	4WD
1625	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1626	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1627	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447256	ALL
1628	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1629	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1630	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1631	2001	Ford	Expedition	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1632	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1633	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447256	ALL
1634	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1635	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447121	2WD
1636	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447121	2WD
1637	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447123	4WD
1638	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447123	4WD
1639	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447122	2WD
1640	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447122	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1641	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447124	4WD
1642	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447124	4WD
1643	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1644	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1645	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1646	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1647	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1648	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1649	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1650	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1651	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1652	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1653	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1654	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1655	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
1656	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
1657	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
1658	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
1659	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1660	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1661	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
1662	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
1663	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
1664	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
1665	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
1666	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
1667	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
1668	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
1669	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
1670	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
1671	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
1672	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
1673	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
1674	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
1675	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
1676	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1677	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1678	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
1679	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
1680	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1681	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447205	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1682	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1683	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1684	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
1685	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1686	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1687	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
1688	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
1689	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1690	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1691	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1692	2001	Ford	Explorer Sport Trac	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1693	2001	Ford	Explorer	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447104	ALL
1694	2001	Ford	Explorer	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447105	ALL
1695	2001	Ford	Explorer	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447106	ALL
1696	2001	Ford	Explorer	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
1697	2001	Ford	Explorer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
1698	2001	Ford	Explorer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
1699	2001	Ford	Explorer	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
1700	2001	Ford	Explorer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
1701	2001	Ford	Explorer	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
1702	2001	Ford	Explorer	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1703	2001	Ford	Explorer	4	1FMXT04.02F6	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1704	2001	Ford	Explorer	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1705	2001	Ford	Explorer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1706	2001	Ford	Explorer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1707	2001	Ford	Explorer	4	1FMXT04.02F4	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1708	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
1709	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
1710	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
1711	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1712	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1713	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
1714	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1715	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1716	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
1717	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
1718	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1719	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1720	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1721	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1722	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447145	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1723	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447147	4WD
1724	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447146	2WD
1725	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447148	4WD
1726	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447121	2WD
1727	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447123	4WD
1728	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447125	4WD
1729	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447153	2WD
1730	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1731	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
1732	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
1733	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1734	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1735	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1736	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
1737	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
1738	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447116	2WD
1739	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447124	4WD
1740	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447126	4WD
1741	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1742	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1743	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1744	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1745	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1746	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
1747	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1748	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1749	2001	Ford	F-150	4.6	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1750	2001	Ford	F-150	4.6	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1751	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1752	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
1753	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447121	2WD
1754	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447121	2WD
1755	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447123	4WD
1756	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447123	4WD
1757	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447122	2WD
1758	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447122	2WD
1759	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447124	4WD
1760	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447124	4WD
1761	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1762	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1763	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1764	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1765	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1766	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
1767	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1768	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1769	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1770	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1771	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
1772	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1773	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1774	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1775	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
1776	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1777	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1778	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
1779	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1780	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1781	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1782	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
1783	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1784	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
1785	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1786	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1787	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
1788	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1789	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1790	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
1791	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1792	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1793	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1794	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1795	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
1796	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
1797	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
1798	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
1799	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
1800	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447151	ALL
1801	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
1802	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
1803	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
1804	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1805	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1806	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
1807	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
1808	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
1809	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
1810	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447152	ALL
1811	2001	Ford	Ranger	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
1812	2001	Ford	Ranger	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
1813	2001	Ford	Ranger	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
1814	2001	Ford	Ranger	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1815	2001	Ford	Ranger	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1816	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1817	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1818	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1819	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1820	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1821	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1822	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1823	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1824	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1825	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1826	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1827	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1828	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1829	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1830	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1831	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1832	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
1833	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
1834	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	DIRECT FIT	447378	ALL
1835	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447175	ALL
1836	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1837	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447175	ALL
1838	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1839	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1840	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1841	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1842	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1843	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1844	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1845	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1846	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1847	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1848	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1849	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1850	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1851	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1852	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1853	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1854	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1855	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1856	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
1857	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
1858	2002	Ford	E-150 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	DIRECT FIT	447378	ALL
1859	2002	Ford	E-150 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447175	ALL
1860	2002	Ford	E-150 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1861	2002	Ford	E-150 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447175	ALL
1862	2002	Ford	E-150 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1863	2002	Ford	E-150 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1864	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1865	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1866	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1867	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1868	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
1869	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
1870	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	DIRECT FIT	447378	ALL
1871	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447175	ALL
1872	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1873	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447175	ALL
1874	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1875	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1876	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	DIRECT FIT	447378	ALL
1877	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447175	ALL
1878	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1879	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447175	ALL
1880	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1881	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1882	2002	Ford	50 Econoline Club Wa	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1883	2002	Ford	50 Econoline Club Wa	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1884	2002	Ford	50 Econoline Club Wa	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1885	2002	Ford	50 Econoline Club Wa	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1886	2002	Ford	E-350 Super Duty	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	DIRECT FIT	447378	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1887	2002	Ford	E-350 Super Duty	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447175	ALL
1888	2002	Ford	E-350 Super Duty	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1889	2002	Ford	E-350 Super Duty	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447175	ALL
1890	2002	Ford	E-350 Super Duty	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1891	2002	Ford	E-350 Super Duty	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	3	2	R	DIRECT FIT	447321	ALL
1892	2002	Ford	E-350 Super Duty	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
1893	2002	Ford	E-350 Super Duty	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
1894	2002	Ford	E-350 Super Duty	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1895	2002	Ford	E-350 Super Duty	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1896	2002	Ford	Expedition	4.6	2FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1897	2002	Ford	Expedition	4.6	2FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1898	2002	Ford	Expedition	4.6	2FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1899	2002	Ford	Expedition	4.6	2FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1900	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1901	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1902	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1903	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1904	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
1905	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
1906	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
1907	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
1908	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
1909	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
1910	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
1911	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
1912	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
1913	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
1914	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1915	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1916	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1917	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1918	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
1919	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
1920	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1921	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1922	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1923	2002	Ford	Explorer Sport Trac	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1924	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
1925	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
1926	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL
1927	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1928	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
1929	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
1930	2002	Ford	Explorer	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
1931	2002	Ford	Explorer	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
1932	2002	Ford	Explorer	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
1933	2002	Ford	Explorer	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
1934	2002	Ford	Explorer	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
1935	2002	Ford	Explorer	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
1936	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
1937	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
1938	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
1939	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
1940	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
1941	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
1942	2002	Ford	Explorer	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
1943	2002	Ford	Explorer	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
1944	2002	Ford	Explorer	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
1945	2002	Ford	Explorer	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
1946	2002	Ford	Explorer	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
1947	2002	Ford	Explorer	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
1948	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447204	ALL
1949	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447204	ALL
1950	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1951	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1952	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1953	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1954	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
1955	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
1956	2002	Ford	Explorer	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1957	2002	Ford	Explorer	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
1958	2002	Ford	Explorer	4	2FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1959	2002	Ford	Explorer	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
1960	2002	Ford	Explorer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
1961	2002	Ford	Explorer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
1962	2002	Ford	Explorer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
1963	2002	Ford	Explorer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
1964	2002	Ford	Explorer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
1965	2002	Ford	Explorer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
1966	2002	Ford	Explorer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1967	2002	Ford	Explorer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
1968	2002	Ford	Explorer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
1969	2002	Ford	Explorer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
1970	2002	Ford	Explorer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
1971	2002	Ford	Explorer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
1972	2002	Ford	F-150	4.6	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1973	2002	Ford	F-150	4.6	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
1974	2002	Ford	F-150	4.6	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1975	2002	Ford	F-150	4.6	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1976	2002	Ford	F-150	4.6	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
1977	2002	Ford	F-150	4.6	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1978	2002	Ford	F-150	4.6	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1979	2002	Ford	F-150	4.6	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1980	2002	Ford	F-150	4.6	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
1981	2002	Ford	F-150	4.6	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
1982	2002	Ford	F-150	4.6	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1983	2002	Ford	F-150	4.6	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1984	2002	Ford	F-150	4.6	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
1985	2002	Ford	F-150	4.6	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
1986	2002	Ford	F-150	4.6	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
1987	2002	Ford	F-150	4.6	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1988	2002	Ford	F-150	4.6	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1989	2002	Ford	F-150	4.6	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
1990	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1991	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1992	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1993	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1994	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
1995	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1996	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1997	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1998	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
1999	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2000	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
2001	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
2002	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
2003	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
2004	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
2005	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
2006	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
2007	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
2008	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
2009	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2010	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
2011	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
2012	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
2013	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
2014	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
2015	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
2016	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
2017	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
2018	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
2019	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
2020	2002	Ford	Ranger	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
2021	2002	Ford	Ranger	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
2022	2002	Ford	Ranger	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
2023	2002	Ford	Ranger	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
2024	2002	Ford	Ranger	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
2025	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	DIRECT FIT	447158	ALL
2026	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	DIRECT FIT	447158	ALL
2027	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
2028	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
2029	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
2030	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
2031	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	R	DIRECT FIT	447159	ALL
2032	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447159	ALL
2033	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447256	ALL
2034	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RL	UNIVERSAL	447256	ALL
2035	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	2	RR	UNIVERSAL	447256	ALL
2036	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447256	ALL
2037	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2038	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2039	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2040	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2041	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
2042	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
2043	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
2044	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
2045	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
2046	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
2047	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
2048	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
2049	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2050	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2051	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
2052	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
2053	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
2054	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
2055	2003	Ford	E-350 Club Wagon	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
2056	2003	Ford	E-350 Club Wagon	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
2057	2003	Ford	E-350 Club Wagon	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2058	2003	Ford	E-350 Club Wagon	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2059	2003	Ford	E-350 Super Duty	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
2060	2003	Ford	E-350 Super Duty	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
2061	2003	Ford	E-350 Super Duty	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2062	2003	Ford	E-350 Super Duty	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2063	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2064	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2065	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2066	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2067	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
2068	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
2069	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
2070	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
2071	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
2072	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
2073	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
2074	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
2075	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
2076	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
2077	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2078	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2079	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2080	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2081	2003	Ford	Explorer Sport Trac	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
2082	2003	Ford	Explorer Sport Trac	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
2083	2003	Ford	Explorer	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447253	ALL
2084	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
2085	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
2086	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
2087	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
2088	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL
2089	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL
2090	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL
2091	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2092	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
2093	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
2094	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
2095	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
2096	2003	Ford	Explorer	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
2097	2003	Ford	Explorer	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
2098	2003	Ford	Explorer	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2099	2003	Ford	Explorer	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2100	2003	Ford	Explorer	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2101	2003	Ford	Explorer	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2102	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
2103	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
2104	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
2105	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
2106	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
2107	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
2108	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
2109	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
2110	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
2111	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
2112	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
2113	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
2114	2003	Ford	Explorer	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
2115	2003	Ford	Explorer	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
2116	2003	Ford	Explorer	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
2117	2003	Ford	Explorer	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
2118	2003	Ford	Explorer	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
2119	2003	Ford	Explorer	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
2120	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447204	ALL
2121	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447204	ALL
2122	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447204	ALL
2123	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447204	ALL
2124	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2125	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2126	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2127	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2128	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2129	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2130	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2131	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2132	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
2133	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
2134	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
2135	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
2136	2003	Ford	Explorer	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
2137	2003	Ford	Explorer	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
2138	2003	Ford	Explorer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
2139	2003	Ford	Explorer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
2140	2003	Ford	Explorer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
2141	2003	Ford	Explorer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
2142	2003	Ford	Explorer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
2143	2003	Ford	Explorer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
2144	2003	Ford	Explorer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
2145	2003	Ford	Explorer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
2146	2003	Ford	Explorer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2147	2003	Ford	Explorer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2148	2003	Ford	Explorer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2149	2003	Ford	Explorer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2150	2003	Ford	Explorer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
2151	2003	Ford	Explorer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
2152	2003	Ford	F-150	4.6	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2153	2003	Ford	F-150	4.6	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2154	2003	Ford	F-150	4.6	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
2155	2003	Ford	F-150	4.6	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
2156	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2157	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2158	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2159	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2160	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2161	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2162	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
2163	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
2164	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
2165	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
2166	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
2167	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
2168	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
2169	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
2170	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
2171	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
2172	2003	Ford	Ranger	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
2173	2003	Ford	Ranger	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2174	2003	Ford	Ranger	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
2175	2003	Ford	Ranger	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
2176	2003	Ford	Ranger	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
2177	2003	Ford	Ranger	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
2178	2003	Ford	Ranger	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
2179	2003	Ford	Ranger	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
2180	2003	Ford	Ranger	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
2181	2003	Ford	Ranger	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
2182	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2183	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2184	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
2185	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
2186	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2187	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2188	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
2189	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
2190	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
2191	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
2192	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	ALL
2193	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
2194	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	ALL
2195	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
2196	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL
2197	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL
2198	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
2199	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
2200	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
2201	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
2202	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
2203	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
2204	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2205	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2206	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2207	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2208	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4TF5	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	F	UNIVERSAL	447176	ALL
2209	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
2210	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4WFD	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
2211	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
2212	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4WFD	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
2213	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
2214	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2215	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4TF5	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	R	UNIVERSAL	447209	ALL
2216	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447205	ALL
2217	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447205	ALL
2218	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4WFD	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447205	ALL
2219	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447206	ALL
2220	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447206	ALL
2221	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4WFD	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447206	ALL
2222	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4WFD	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447205	ALL
2223	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447205	ALL
2224	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447205	ALL
2225	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4WFD	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447206	ALL
2226	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447206	ALL
2227	2006	Ford	E-350 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447206	ALL
2228	2006	Ford	F-250 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	UNIVERSAL	447176	ALL
2229	2006	Ford	F-250 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447209	ALL
2230	2006	Ford	F-350 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	UNIVERSAL	447176	ALL
2231	2006	Ford	F-350 Super Duty	5.4	6FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	F	UNIVERSAL	447176	ALL
2232	2006	Ford	F-350 Super Duty	5.4	6FMXK05.4WFD	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	F	UNIVERSAL	447176	ALL
2233	2006	Ford	F-350 Super Duty	5.4	6FMXK05.4WFD	LEV1 LEV	MDV4	DS	2TWC,TWC	3	2	R	UNIVERSAL	447209	ALL
2234	2006	Ford	F-350 Super Duty	5.4	6FMXK05.4SF5	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447209	ALL
2235	2006	Ford	F-350 Super Duty	5.4	6FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447209	ALL
2236	1998	GMC	Jimmy	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2237	1998	GMC	Jimmy	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
2238	1998	GMC	Jimmy	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
2239	1998	GMC	Jimmy	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
2240	1998	GMC	Jimmy	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447212	ALL
2241	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2242	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2243	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2244	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2245	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2246	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
2247	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2248	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
2249	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447213	2WD
2250	1998	GMC	Sonoma	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447214	4WD
2251	1999	GMC	Jimmy	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2252	1999	GMC	Jimmy	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2253	1999	GMC	Jimmy	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
2254	1999	GMC	Jimmy	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
2255	1999	GMC	Jimmy	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2256	1999	GMC	Jimmy	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
2257	1999	GMC	Jimmy	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
2258	1999	GMC	Jimmy	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
2259	1999	GMC	Jimmy	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447212	ALL
2260	1999	GMC	Jimmy	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447212	ALL
2261	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2262	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2263	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2264	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2265	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2266	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2267	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2268	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2269	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2270	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2271	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
2272	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
2273	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
2274	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2275	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2276	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
2277	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447213	2WD
2278	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447213	2WD
2279	1999	GMC	Sonoma	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447214	4WD
2280	1999	GMC	Sonoma	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447214	4WD
2281	2000	GMC	Jimmy	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447109	ALL
2282	2000	GMC	Jimmy	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
2283	2000	GMC	Jimmy	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	2WD
2284	2000	GMC	Jimmy	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	4WD
2285	2000	GMC	Safari	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2286	2000	GMC	Safari	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
2287	2000	GMC	Safari	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
2288	2000	GMC	Safari	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
2289	2000	GMC	Savana 1500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447105	ALL
2290	2000	GMC	Savana 1500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447106	ALL
2291	2000	GMC	Savana 1500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447209	ALL
2292	2000	GMC	Savana 1500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	U	DIRECT FIT	447237	ALL
2293	2000	GMC	Savana 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447105	ALL
2294	2000	GMC	Savana 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447106	ALL
2295	2000	GMC	Savana 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447209	ALL
2296	2000	GMC	Savana 2500	4.3	YGMXA04.3192	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	1	U	DIRECT FIT	447237	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2297	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2298	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2299	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2300	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2301	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2302	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2303	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
2304	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447240	2WD
2305	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447242	2WD
2306	2000	GMC	Sonoma	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447249	4WD
2307	2001	GMC	Jimmy	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447109	ALL
2308	2001	GMC	Jimmy	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
2309	2001	GMC	Jimmy	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
2310	2001	GMC	Jimmy	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
2311	2001	GMC	Jimmy	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	4WD
2312	2001	GMC	Jimmy	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	2WD
2313	2001	GMC	Safari	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2314	2001	GMC	Safari	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
2315	2001	GMC	Safari	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
2316	2001	GMC	Safari	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
2317	2001	GMC	Savana 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
2318	2001	GMC	Savana 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
2319	2001	GMC	Savana 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2320	2001	GMC	Savana 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2321	2001	GMC	Savana 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
2322	2001	GMC	Savana 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
2323	2001	GMC	Savana 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2324	2001	GMC	Savana 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2325	2001	GMC	Savana 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
2326	2001	GMC	Savana 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
2327	2001	GMC	Savana 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2328	2001	GMC	Savana 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2329	2001	GMC	Sierra 1500 HD	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447283	ALL
2330	2001	GMC	Sierra 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2331	2001	GMC	Sierra 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2332	2001	GMC	Sierra 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2333	2001	GMC	Sierra 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2334	2001	GMC	Sierra 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2335	2001	GMC	Sierra 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2336	2001	GMC	Sierra 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2337	2001	GMC	Sierra 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2338	2001	GMC	Sierra 3500	8.1	1GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2339	2001	GMC	Sierra 3500	8.1	1GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2340	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2341	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2342	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2343	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2344	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2345	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2346	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
2347	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447240	2WD
2348	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447242	2WD
2349	2001	GMC	Sonoma	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447249	4WD
2350	2001	GMC	Yukon XL 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2351	2001	GMC	Yukon XL 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2352	2001	GMC	Yukon XL 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2353	2001	GMC	Yukon XL 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2354	2001	GMC	Yukon XL 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2355	2001	GMC	Yukon XL 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2356	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2357	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2358	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2359	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2360	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	ALL
2361	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	ALL
2362	2002	GMC	Safari	4.3	2GMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2363	2002	GMC	Safari	4.3	2GMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
2364	2002	GMC	Safari	4.3	2GMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
2365	2002	GMC	Safari	4.3	2GMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
2366	2002	GMC	Savana 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
2367	2002	GMC	Savana 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
2368	2002	GMC	Savana 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2369	2002	GMC	Savana 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2370	2002	GMC	Savana 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
2371	2002	GMC	Savana 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
2372	2002	GMC	Savana 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2373	2002	GMC	Savana 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2374	2002	GMC	Savana 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
2375	2002	GMC	Savana 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
2376	2002	GMC	Savana 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2377	2002	GMC	Savana 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2378	2002	GMC	Savana 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2379	2002	GMC	Savana 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2380	2002	GMC	Sierra 1500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447283	ALL
2381	2002	GMC	Sierra 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
2382	2002	GMC	Sierra 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
2383	2002	GMC	Sierra 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2384	2002	GMC	Sierra 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2385	2002	GMC	Sierra 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2386	2002	GMC	Sierra 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2387	2002	GMC	Sierra 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	U	DIRECT FIT	447284	ALL
2388	2002	GMC	Sierra 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	U	DIRECT FIT	447284	ALL
2389	2002	GMC	Sierra 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2390	2002	GMC	Sierra 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2391	2002	GMC	Sierra 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2392	2002	GMC	Sierra 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2393	2002	GMC	Sierra 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2394	2002	GMC	Sierra 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2395	2002	GMC	Sierra 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2396	2002	GMC	Sierra 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2397	2002	GMC	Sierra 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2398	2002	GMC	Sierra 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2399	2002	GMC	Sierra 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447261	ALL
2400	2002	GMC	Sierra 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447282	ALL
2401	2002	GMC	Sierra 2500	6	2TJXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2402	2002	GMC	Sierra 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2403	2002	GMC	Sierra 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2404	2002	GMC	Sierra 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2405	2002	GMC	Sierra 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447109	ALL
2406	2002	GMC	Sierra 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447109	ALL
2407	2002	GMC	Sierra 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2408	2002	GMC	Sierra 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447209	ALL
2409	2002	GMC	Sierra 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447209	ALL
2410	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2411	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2412	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2413	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2414	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2415	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2416	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
2417	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447240	2WD
2418	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447242	2WD
2419	2002	GMC	Sonoma	4.3	2GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447249	4WD

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
2420	2002	GMC	Yukon XL 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2421	2002	GMC	Yukon XL 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2422	2002	GMC	Yukon XL 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2423	2002	GMC	Yukon XL 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2424	2002	GMC	Yukon XL 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2425	2002	GMC	Yukon XL 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2426	2002	GMC	Yukon XL 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2427	2002	GMC	Yukon XL 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2428	2002	GMC	Yukon XL 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2429	2002	GMC	Yukon XL 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2430	2002	GMC	Yukon XL 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	ALL
2431	2002	GMC	Yukon XL 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	ALL
2432	2002	GMC	Yukon	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
2433	2002	GMC	Yukon	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
2434	2002	GMC	Yukon	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
2435	2002	GMC	Yukon	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
2436	2002	GMC	Yukon	4.8	2GMXA04.8184	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	U	DIRECT FIT	447284	ALL
2437	2003	GMC	Savana 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2438	2003	GMC	Savana 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2439	2003	GMC	Savana 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2440	2003	GMC	Savana 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2441	2003	GMC	Savana 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2442	2003	GMC	Savana 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2443	2003	GMC	Savana 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2444	2003	GMC	Savana 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2445	2003	GMC	Savana 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2446	2003	GMC	Savana 2500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2447	2003	GMC	Savana 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2448	2003	GMC	Savana 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2449	2003	GMC	Savana 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2450	2003	GMC	Savana 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2451	2003	GMC	Savana 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2452	2003	GMC	Sierra 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447109	ALL
2453	2003	GMC	Sierra 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447109	ALL
2454	2003	GMC	Sierra 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447275	ALL
2455	2003	GMC	Sierra 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447283	ALL
2456	2003	GMC	Sierra 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447209	ALL
2457	2003	GMC	Sierra 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447262	ALL
2458	2003	GMC	Sierra 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447209	ALL
2459	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2460	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2461	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2462	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2463	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2464	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2465	2003	GMC	Sierra 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2466	2003	GMC	Sierra 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2467	2003	GMC	Sierra 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447109	ALL
2468	2003	GMC	Sierra 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447109	ALL
2469	2003	GMC	Sierra 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447275	ALL
2470	2003	GMC	Sierra 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447209	ALL
2471	2003	GMC	Sierra 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447262	ALL
2472	2003	GMC	Sierra 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447209	ALL
2473	2003	GMC	Sierra 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2474	2003	GMC	Sierra 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2475	2003	GMC	Sierra 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2476	2003	GMC	Sierra 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2477	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2478	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2479	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2480	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2481	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2482	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2483	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2484	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2485	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2486	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2487	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	ALL
2488	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	ALL
2489	2004	GMC	Safari	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2490	2004	GMC	Safari	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
2491	2004	GMC	Safari	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
2492	2004	GMC	Safari	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
2493	2004	GMC	Savana 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2494	2004	GMC	Savana 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2495	2004	GMC	Savana 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2496	2004	GMC	Savana 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2497	2004	GMC	Savana 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2498	2004	GMC	Sierra 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2499	2004	GMC	Sierra 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2500	2004	GMC	Sierra 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2501	2004	GMC	Sierra 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2502	2004	GMC	Yukon XL 2500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2503	2004	GMC	Yukon XL 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	2WD
2504	2004	GMC	Yukon XL 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	2WD
2505	2004	GMC	Yukon XL 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	2WD
2506	2004	GMC	Yukon XL 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	2WD
2507	2004	GMC	Yukon XL 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	2WD
2508	2004	GMC	Yukon XL 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	2WD
2509	2005	GMC	Safari	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
2510	2005	GMC	Safari	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
2511	2005	GMC	Safari	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	ALL
2512	2005	GMC	Safari	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447238	ALL
2513	2005	GMC	Savana 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2514	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2515	2005	GMC	Savana 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2516	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2517	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2518	2005	GMC	Savana 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2519	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2520	2005	GMC	Savana 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2521	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2522	2005	GMC	Savana 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2523	2005	GMC	Savana 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2524	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2525	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2526	2005	GMC	Savana 2500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2527	2005	GMC	Savana 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2528	2005	GMC	Savana 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2529	2005	GMC	Savana 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2530	2005	GMC	Savana 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2531	2005	GMC	Savana 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2532	2005	GMC	Savana 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2533	2005	GMC	Savana 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2534	2005	GMC	Savana 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2535	2005	GMC	Savana 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2536	2005	GMC	Savana 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2537	2005	GMC	Savana 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2538	2005	GMC	Savana 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2539	2005	GMC	Savana 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2540	2005	GMC	Savana 3500	4.8	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2541	2005	GMC	Savana 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2542	2005	GMC	Savana 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2543	2005	GMC	Savana 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2544	2005	GMC	Savana 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447267	ALL
2545	2005	GMC	Savana 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447273	ALL
2546	2005	GMC	Savana 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447279	ALL
2547	2005	GMC	Sierra 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2548	2005	GMC	Sierra 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2549	2005	GMC	Sierra 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2550	2005	GMC	Sierra 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2551	2005	GMC	Sierra 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2552	2005	GMC	Sierra 1500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2553	2005	GMC	Sierra 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2554	2005	GMC	Sierra 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2555	2005	GMC	Sierra 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2556	2005	GMC	Sierra 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2557	2005	GMC	Sierra 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2558	2005	GMC	Sierra 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2559	2005	GMC	Sierra 2500 HD	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2560	2005	GMC	Sierra 2500 HD	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2561	2005	GMC	Sierra 3500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2562	2005	GMC	Sierra 3500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2563	2005	GMC	Sierra 3500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2564	2005	GMC	Sierra 3500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2565	2005	GMC	Yukon XL 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2566	2005	GMC	Yukon XL 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2567	2005	GMC	Yukon XL 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2568	2005	GMC	Yukon XL 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2569	2005	GMC	Yukon XL 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2570	2005	GMC	Yukon XL 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2571	2005	GMC	Yukon XL 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	4WD
2572	2005	GMC	Yukon XL 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	4WD
2573	2005	GMC	Yukon XL 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	4WD
2574	2005	GMC	Yukon XL 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	4WD
2575	2005	GMC	Yukon XL 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447268	4WD
2576	2005	GMC	Yukon XL 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447280	4WD
2577	2006	GMC	Sierra 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2578	2006	GMC	Sierra 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2579	2006	GMC	Sierra 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2580	2006	GMC	Sierra 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2581	2006	GMC	Sierra 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2582	2006	GMC	Sierra 1500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2583	2006	GMC	Sierra 1500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	DIRECT FIT	447281	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2584	2006	GMC	Sierra 1500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	DIRECT FIT	447269	ALL
2585	2006	GMC	Sierra 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447109	ALL
2586	2006	GMC	Sierra 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447109	ALL
2587	2006	GMC	Sierra 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447209	ALL
2588	2006	GMC	Sierra 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447209	ALL
2589	2006	GMC	Sierra 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447270	ALL
2590	2006	GMC	Sierra 2500 HD	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447283	ALL
2591	2006	GMC	Sierra 2500 HD	8.1	6GMXT08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2592	2006	GMC	Sierra 2500 HD	8.1	6GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2593	2006	GMC	Sierra 2500 HD	8.1	6GMXT08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2594	2006	GMC	Sierra 2500 HD	8.1	6GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2595	2006	GMC	Sierra 3500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2596	2006	GMC	Sierra 3500	6	6GMXK06.0388	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2597	2006	GMC	Sierra 3500	8.1	6GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2598	2006	GMC	Sierra 3500	8.1	6GMXT08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447109	ALL
2599	2006	GMC	Sierra 3500	8.1	6GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2600	2006	GMC	Sierra 3500	8.1	6GMXT08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447209	ALL
2601	2001	Infiniti	QX4	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447194	ALL
2602	2001	Infiniti	QX4	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447198	ALL
2603	2001	Infiniti	QX4	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
2604	2001	Infiniti	QX4	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
2605	2001	Infiniti	QX4	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
2606	2001	Infiniti	QX4	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
2607	2001	Infiniti	QX4	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447227	ALL
2608	2001	Infiniti	QX4	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447227	ALL
2609	2001	Infiniti	QX4	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2610	2001	Infiniti	QX4	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2611	2001	Infiniti	QX4	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2612	2001	Infiniti	QX4	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2613	2001	Infiniti	QX4	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447230	ALL
2614	2001	Infiniti	QX4	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447230	ALL
2615	2002	Infiniti	QX4	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
2616	2002	Infiniti	QX4	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
2617	2002	Infiniti	QX4	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447227	ALL
2618	2002	Infiniti	QX4	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2619	2002	Infiniti	QX4	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2620	2002	Infiniti	QX4	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447230	ALL
2621	2003	Infiniti	FX35	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447104	ALL
2622	2003	Infiniti	FX35	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447105	ALL
2623	2003	Infiniti	FX35	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447106	ALL
2624	2003	Infiniti	FX35	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447204	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2625	2003	Infiniti	FX35	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
2626	2003	Infiniti	FX35	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
2627	2004	Infiniti	FX35	3.5	4NSXT03.5N7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447104	ALL
2628	2004	Infiniti	FX35	3.5	4NSXT03.5N7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447105	ALL
2629	2004	Infiniti	FX35	3.5	4NSXT03.5N7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447106	ALL
2630	2004	Infiniti	FX35	3.5	4NSXT03.5N7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447204	ALL
2631	2004	Infiniti	FX35	3.5	4NSXT03.5N7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
2632	2004	Infiniti	FX35	3.5	4NSXT03.5N7B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
2633	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2634	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2635	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2636	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2637	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
2638	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2639	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2640	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
2641	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447213	2WD
2642	1998	Isuzu	Hombre	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447214	4WD
2643	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2644	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2645	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2646	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2647	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2648	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2649	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2650	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
2651	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
2652	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	4WD
2653	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2654	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2655	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2656	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2657	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
2658	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	4WD
2659	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447213	2WD
2660	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447213	2WD
2661	1999	Isuzu	Hombre	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447214	4WD
2662	1999	Isuzu	Hombre	4.3	XGMXT04.3184	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447214	4WD
2663	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
2664	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
2665	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2666	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
2667	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
2668	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
2669	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
2670	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447240	2WD
2671	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447242	2WD
2672	2000	Isuzu	Hombre	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447249	4WD
2673	1997	Jeep	Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447104	ALL
2674	1997	Jeep	Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447105	ALL
2675	1997	Jeep	Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447205	ALL
2676	1997	Jeep	Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447206	ALL
2677	1997	Jeep	Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447236	ALL
2678	1997	Jeep	Grand Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447104	ALL
2679	1997	Jeep	Grand Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447105	ALL
2680	1997	Jeep	Grand Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447205	ALL
2681	1997	Jeep	Grand Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447206	ALL
2682	1997	Jeep	Grand Cherokee	4	VCR24228G2JK	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447236	ALL
2683	1998	Jeep	Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447104	ALL
2684	1998	Jeep	Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447105	ALL
2685	1998	Jeep	Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447205	ALL
2686	1998	Jeep	Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447206	ALL
2687	1998	Jeep	Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447236	ALL
2688	1998	Jeep	Grand Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447104	ALL
2689	1998	Jeep	Grand Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447105	ALL
2690	1998	Jeep	Grand Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447205	ALL
2691	1998	Jeep	Grand Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447206	ALL
2692	1998	Jeep	Grand Cherokee	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447236	ALL
2693	1998	Jeep	Wrangler	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447104	ALL
2694	1998	Jeep	Wrangler	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447105	ALL
2695	1998	Jeep	Wrangler	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447205	ALL
2696	1998	Jeep	Wrangler	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447206	ALL
2697	1998	Jeep	Wrangler	4	WCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447236	ALL
2698	1999	Jeep	Cherokee	4	XCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447104	ALL
2699	1999	Jeep	Cherokee	4	XCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447105	ALL
2700	1999	Jeep	Cherokee	4	XCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447205	ALL
2701	1999	Jeep	Cherokee	4	XCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447206	ALL
2702	1999	Jeep	Grand Cherokee	4	XCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447104	ALL
2703	1999	Jeep	Grand Cherokee	4	XCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447105	ALL
2704	1999	Jeep	Grand Cherokee	4	XCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
2705	1999	Jeep	Grand Cherokee	4	XCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
2706	1999	Jeep	Grand Cherokee	4.7	XCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FL	UNIVERSAL	447104	ALL

Appendix D-193-103																
Car Sound Exhaust Systems, Inc. 447100 / 447200																
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	
2707	1999	Jeep	Grand Cherokee	4.7	XCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FL	UNIVERSAL	447105	ALL	
2708	1999	Jeep	Grand Cherokee	4.7	XCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FR	UNIVERSAL	447104	ALL	
2709	1999	Jeep	Grand Cherokee	4.7	XCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FR	UNIVERSAL	447105	ALL	
2710	1999	Jeep	Grand Cherokee	4.7	XCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447191	ALL	
2711	1999	Jeep	Grand Cherokee	4.7	XCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL	
2712	1999	Jeep	Grand Cherokee	4.7	XCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL	
2713	1999	Jeep	Grand Cherokee	4.7	XCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447216	ALL	
2714	1999	Jeep	Wrangler	4	XCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447104	ALL	
2715	1999	Jeep	Wrangler	4	XCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	F	UNIVERSAL	447105	ALL	
2716	1999	Jeep	Wrangler	4	XCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447205	ALL	
2717	1999	Jeep	Wrangler	4	XCRXT0242220	TLEV	LDT2	S	WU-OC,TWC	2	2	R	UNIVERSAL	447206	ALL	
2718	2000	Jeep	Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL	
2719	2000	Jeep	Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447190	ALL	
2720	2000	Jeep	Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL	
2721	2000	Jeep	Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL	
2722	2000	Jeep	Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447224	ALL	
2723	2000	Jeep	Grand Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447104	ALL	
2724	2000	Jeep	Grand Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447105	ALL	
2725	2000	Jeep	Grand Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447187	ALL	
2726	2000	Jeep	Grand Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL	
2727	2000	Jeep	Grand Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL	
2728	2000	Jeep	Grand Cherokee	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447222	ALL	
2729	2000	Jeep	Grand Cherokee	4.7	YCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FL	UNIVERSAL	447104	ALL	
2730	2000	Jeep	Grand Cherokee	4.7	YCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FL	UNIVERSAL	447105	ALL	
2731	2000	Jeep	Grand Cherokee	4.7	YCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FR	UNIVERSAL	447104	ALL	
2732	2000	Jeep	Grand Cherokee	4.7	YCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FR	UNIVERSAL	447105	ALL	
2733	2000	Jeep	Grand Cherokee	4.7	YCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447191	ALL	
2734	2000	Jeep	Grand Cherokee	4.7	YCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL	
2735	2000	Jeep	Grand Cherokee	4.7	YCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL	
2736	2000	Jeep	Grand Cherokee	4.7	YCRXT0287231	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447216	ALL	
2737	2000	Jeep	Wrangler	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447104	ALL	
2738	2000	Jeep	Wrangler	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447105	ALL	
2739	2000	Jeep	Wrangler	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447188	ALL	
2740	2000	Jeep	Wrangler	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL	
2741	2000	Jeep	Wrangler	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL	
2742	2000	Jeep	Wrangler	4	YCRXT0242230	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447211	ALL	
2743	2001	Jeep	Cherokee	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447174	ALL	
2744	2001	Jeep	Cherokee	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447190	ALL	
2745	2001	Jeep	Cherokee	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL	
2746	2001	Jeep	Cherokee	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL	
2747	2001	Jeep	Cherokee	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447224	ALL	

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2748	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FL	UNIVERSAL	447104	ALL
2749	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FL	UNIVERSAL	447105	ALL
2750	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FR	UNIVERSAL	447104	ALL
2751	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	FR	UNIVERSAL	447105	ALL
2752	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447106	ALL
2753	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447191	ALL
2754	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
2755	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
2756	2001	Jeep	Grand Cherokee	4.7	1CRXT04.72D1	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447216	ALL
2757	2001	Jeep	Wrangler	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447104	ALL
2758	2001	Jeep	Wrangler	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	UNIVERSAL	447105	ALL
2759	2001	Jeep	Wrangler	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447188	ALL
2760	2001	Jeep	Wrangler	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447205	ALL
2761	2001	Jeep	Wrangler	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	UNIVERSAL	447206	ALL
2762	2001	Jeep	Wrangler	4	1CRXT04.02D0	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447211	ALL
2763	2002	Jeep	Wrangler	4	2CRXT04.02D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447188	ALL
2764	2002	Jeep	Wrangler	4	2CRXT04.02D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447211	ALL
2765	2003	Jeep	Wrangler	4	3CRXT04.02D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	F	DIRECT FIT	447188	ALL
2766	2003	Jeep	Wrangler	4	3CRXT04.02D2	LEV1 LEV	LDT2	DS	TWC,2WU-OC	3	2	R	DIRECT FIT	447041	ALL
2767	1998	Laforza	Laforza	5	WLAXT05.050S	TIER1	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447175	ALL
2768	1998	Laforza	Laforza	5	WLAXT05.050S	TIER1	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447204	ALL
2769	1998	Laforza	Laforza	5	WLAXT05.050S	TIER1	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
2770	1998	Laforza	Laforza	5	WLAXT05.050S	TIER1	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
2771	1996	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	F	DIRECT FIT	447103	ALL
2772	1996	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
2773	1996	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	F	UNIVERSAL	447106	ALL
2774	1996	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
2775	1996	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	R	UNIVERSAL	447206	ALL
2776	1996	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	R	DIRECT FIT	447217	ALL
2777	1997	Lexus	LX450	4.5	VTY4.55JGKEK	TIER1	MDV2	S	TWC(2)	2	2	F	DIRECT FIT	447103	ALL
2778	1997	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
2779	1997	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	F	UNIVERSAL	447106	ALL
2780	1997	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
2781	1997	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	1	R	UNIVERSAL	447206	ALL
2782	1997	Lexus	LX450	4.5	VTY4.55JGKEK	TIER1	MDV2	S	TWC(2)	2	2	R	DIRECT FIT	447217	ALL
2783	1998	Lexus	LX470	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
2784	1998	Lexus	LX470	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2785	1998	Lexus	LX470	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2786	1998	Lexus	LX470	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2787	1998	Lexus	LX470	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2788	1998	Lexus	LX470	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2789	1998	Lexus	LX470	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
2790	1998	Lexus	LX470	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
2791	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
2792	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2793	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2794	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2795	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2796	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
2797	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
2798	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
2799	2000	Lexus	LX470	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
2800	2000	Lexus	LX470	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2801	2000	Lexus	LX470	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2802	2000	Lexus	LX470	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2803	2000	Lexus	LX470	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2804	2000	Lexus	LX470	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
2805	2000	Lexus	LX470	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
2806	2000	Lexus	LX470	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
2807	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
2808	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2809	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2810	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2811	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2812	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
2813	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
2814	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
2815	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
2816	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
2817	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
2818	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
2819	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
2820	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
2821	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
2822	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
2823	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
2824	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2825	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2826	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
2827	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
2828	2002	Lexus	LX470	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
2829	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447104	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2830	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
2831	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
2832	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447204	ALL
2833	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
2834	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
2835	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447266	ALL
2836	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447266	ALL
2837	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447104	ALL
2838	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
2839	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
2840	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447204	ALL
2841	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
2842	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
2843	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447266	ALL
2844	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447266	ALL
2845	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2846	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2847	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
2848	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
2849	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2850	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2851	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2852	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2853	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2854	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2855	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
2856	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
2857	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
2858	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
2859	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
2860	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
2861	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
2862	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
2863	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
2864	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
2865	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
2866	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
2867	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2868	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2869	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
2870	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2871	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2872	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2873	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2874	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2875	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2876	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2877	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
2878	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
2879	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
2880	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
2881	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
2882	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
2883	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
2884	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
2885	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
2886	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
2887	2000	Lincoln	Navigator	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	F	UNIVERSAL	447176	ALL
2888	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2889	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
2890	2000	Lincoln	Navigator	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
2891	2000	Lincoln	Navigator	5.4	YFMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
2892	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2893	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2894	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2895	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
2896	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
2897	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
2898	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
2899	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
2900	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2901	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2902	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
2903	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
2904	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2905	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2906	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2907	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2908	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2909	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2910	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
2911	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2912	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
2913	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
2914	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
2915	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
2916	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
2917	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
2918	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
2919	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
2920	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2921	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
2922	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2923	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2924	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2925	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
2926	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
2927	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
2928	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447205	2WD
2929	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
2930	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447205	2WD
2931	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
2932	2003	Lincoln	Aviator	4.6	3FMXT04.62FA	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
2933	2003	Lincoln	Aviator	4.6	3FMXT04.62FA	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
2934	2003	Lincoln	Aviator	4.6	3FMXT04.62F9	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
2935	2003	Lincoln	Aviator	4.6	3FMXT04.62F9	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
2936	2003	Lincoln	Aviator	4.6	3FMXT04.62FA	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
2937	2003	Lincoln	Aviator	4.6	3FMXT04.62FA	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
2938	2003	Lincoln	Aviator	4.6	3FMXT04.62F9	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
2939	2003	Lincoln	Aviator	4.6	3FMXT04.62FA	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
2940	2003	Lincoln	Navigator	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447176	ALL
2941	2003	Lincoln	Navigator	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447176	ALL
2942	2003	Lincoln	Navigator	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
2943	2003	Lincoln	Navigator	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
2944	2003	Lincoln	Navigator	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
2945	2003	Lincoln	Navigator	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
2946	1995	Mazda	B3000	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2947	1995	Mazda	B3000	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
2948	1995	Mazda	B3000	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2949	1995	Mazda	B3000	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2950	1995	Mazda	B3000	3	SFM3.028G1FK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
2951	1995	Mazda	B4000	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2952	1995	Mazda	B4000	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2953	1995	Mazda	B4000	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2954	1995	Mazda	B4000	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2955	1995	Mazda	B4000	4	SFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
2956	1995	Mazda	MPV	3	STK3.02HGFEA	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
2957	1995	Mazda	MPV	3	STK3.02HGFEA	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2958	1995	Mazda	MPV	3	STK3.02HGFEA	TIER1	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447171	ALL
2959	1995	Mazda	MPV	3	STK3.02HGFEA	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
2960	1995	Mazda	MPV	3	STK3.02HGFEA	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2961	1995	Mazda	MPV	3	STK3.02HGFEA	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2962	1995	Mazda	MPV	3	STK3.02HGFEA	TIER1	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447223	ALL
2963	1996	Mazda	B3000	3	TFM3.028GIFK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2964	1996	Mazda	B3000	3	TFM3.028GIFK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
2965	1996	Mazda	B3000	3	TFM3.028GIFK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2966	1996	Mazda	B3000	3	TFM3.028GIFK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2967	1996	Mazda	B3000	3	TFM3.028GIFK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
2968	1996	Mazda	B4000	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2969	1996	Mazda	B4000	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2970	1996	Mazda	B4000	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
2971	1996	Mazda	B4000	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
2972	1996	Mazda	B4000	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2973	1996	Mazda	B4000	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2974	1996	Mazda	B4000	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2975	1996	Mazda	B4000	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2976	1996	Mazda	B4000	4	TFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
2977	1996	Mazda	B4000	4	TFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
2978	1996	Mazda	MPV	3	TTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
2979	1996	Mazda	MPV	3	TTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2980	1996	Mazda	MPV	3	TTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447171	ALL
2981	1996	Mazda	MPV	3	TTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
2982	1996	Mazda	MPV	3	TTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2983	1996	Mazda	MPV	3	TTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2984	1996	Mazda	MPV	3	TTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447223	ALL
2985	1997	Mazda	B4000	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2986	1997	Mazda	B4000	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2987	1997	Mazda	B4000	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
2988	1997	Mazda	B4000	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
2989	1997	Mazda	B4000	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2990	1997	Mazda	B4000	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
2991	1997	Mazda	B4000	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2992	1997	Mazda	B4000	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
2993	1997	Mazda	B4000	4	VFM4.028G2EK	TLEV	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
2994	1997	Mazda	B4000	4	VFM4.028G1EK	TIER1	LDT2	S	TWC(2)	2	2	U	DIRECT FIT	447235	ALL
2995	1997	Mazda	MPV	3	VTK3.02JG2EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
2996	1997	Mazda	MPV	3	VTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
2997	1997	Mazda	MPV	3	VTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2998	1997	Mazda	MPV	3	VTK3.02JG2EK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
2999	1997	Mazda	MPV	3	VTK3.02JG2EK	TIER1	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447171	ALL
3000	1997	Mazda	MPV	3	VTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447171	ALL
3001	1997	Mazda	MPV	3	VTK3.02JG2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3002	1997	Mazda	MPV	3	VTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3003	1997	Mazda	MPV	3	VTK3.02JG2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3004	1997	Mazda	MPV	3	VTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3005	1997	Mazda	MPV	3	VTK3.02JG2EK	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3006	1997	Mazda	MPV	3	VTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3007	1997	Mazda	MPV	3	VTK3.02JG2EK	TLEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447223	ALL
3008	1997	Mazda	MPV	3	VTK3.02JGKEK	TIER1	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447223	ALL
3009	1998	Mazda	B3000	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447174	ALL
3010	1998	Mazda	B3000	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	F	DIRECT FIT	447189	ALL
3011	1998	Mazda	B3000	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3012	1998	Mazda	B3000	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3013	1998	Mazda	B3000	3	WFMXT03.0HAA	TLEV	LDT2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447215	ALL
3014	1998	Mazda	B4000	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447174	ALL
3015	1998	Mazda	B4000	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447174	ALL
3016	1998	Mazda	B4000	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447189	ALL
3017	1998	Mazda	B4000	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447189	ALL
3018	1998	Mazda	B4000	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3019	1998	Mazda	B4000	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3020	1998	Mazda	B4000	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3021	1998	Mazda	B4000	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3022	1998	Mazda	B4000	4	WFMXT04.0EAA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	DIRECT FIT	447215	ALL
3023	1998	Mazda	B4000	4	WFMXT04.0DAA	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	DIRECT FIT	447215	ALL
3024	1998	Mazda	MPV	3	WTKXT03.02B2	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
3025	1998	Mazda	MPV	3	WTKXT03.02DM	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
3026	1998	Mazda	MPV	3	WTKXT03.02B2	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3027	1998	Mazda	MPV	3	WTKXT03.02DM	TLEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3028	1998	Mazda	MPV	3	WTKXT03.02DM	TLEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447171	ALL
3029	1998	Mazda	MPV	3	WTKXT03.02B2	TIER1	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447171	ALL
3030	1998	Mazda	MPV	3	WTKXT03.02B2	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3031	1998	Mazda	MPV	3	WTKXT03.02DM	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3032	1998	Mazda	MPV	3	WTKXT03.02DM	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3033	1998	Mazda	MPV	3	WTKXT03.02B2	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3034	1998	Mazda	MPV	3	WTKXT03.02B2	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
3035	1998	Mazda	MPV	3	WTKXT03.02DM	TLEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3036	1998	Mazda	MPV	3	WTKXT03.02B2	TIER1	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447223	ALL
3037	1998	Mazda	MPV	3	WTKXT03.02DM	TLEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447223	ALL
3038	1999	Mazda	B3000	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447174	ALL
3039	1999	Mazda	B3000	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	F	DIRECT FIT	447189	ALL
3040	1999	Mazda	B3000	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3041	1999	Mazda	B3000	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3042	1999	Mazda	B3000	3	XFMXT03.02DC	TLEV	LDT2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447215	ALL
3043	1999	Mazda	B4000	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447174	ALL
3044	1999	Mazda	B4000	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447174	ALL
3045	1999	Mazda	B4000	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447189	ALL
3046	1999	Mazda	B4000	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	F	DIRECT FIT	447189	ALL
3047	1999	Mazda	B4000	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3048	1999	Mazda	B4000	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3049	1999	Mazda	B4000	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3050	1999	Mazda	B4000	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3051	1999	Mazda	B4000	4	XFMXT04.02GC	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	DIRECT FIT	447215	ALL
3052	1999	Mazda	B4000	4	XFMXT04.02DN	TLEV	LDT2	DS	2TWC,TWC(2)	4	2	R	DIRECT FIT	447215	ALL
3053	2001	Mazda	B4000	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
3054	2001	Mazda	B4000	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
3055	2001	Mazda	B4000	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
3056	2001	Mazda	B4000	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3057	2001	Mazda	B4000	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3058	2002	Mazda	B4000	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
3059	2002	Mazda	B4000	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
3060	2002	Mazda	B4000	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
3061	2002	Mazda	B4000	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3062	2002	Mazda	B4000	4	2FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3063	2003	Mazda	B4000	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
3064	2003	Mazda	B4000	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
3065	2003	Mazda	B4000	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
3066	2003	Mazda	B4000	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
3067	2003	Mazda	B4000	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
3068	2003	Mazda	B4000	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
3069	2003	Mazda	B4000	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
3070	2003	Mazda	B4000	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447204	ALL
3071	2003	Mazda	B4000	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3072	2003	Mazda	B4000	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3073	2003	Mazda	B4000	4	3FMXT04.02FA	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3074	2003	Mazda	B4000	4	3FMXT04.02F3	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3075	1998	Mercedes-Benz	ML320	3.2	WMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3076	1998	Mercedes-Benz	ML320	3.2	WMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3077	1998	Mercedes-Benz	ML320	3.2	WMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3078	1998	Mercedes-Benz	ML320	3.2	WMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3079	1999	Mercedes-Benz	ML320	3.2	XMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3080	1999	Mercedes-Benz	ML320	3.2	XMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3081	1999	Mercedes-Benz	ML320	3.2	XMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3082	1999	Mercedes-Benz	ML320	3.2	XMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3083	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
3084	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
3085	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3086	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
3087	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
3088	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
3089	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
3090	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3091	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447264	ALL
3092	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447277	ALL
3093	2000	Mercedes-Benz	ML320	3.2	YMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3094	2000	Mercedes-Benz	ML320	3.2	YMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3095	2000	Mercedes-Benz	ML320	3.2	YMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3096	2000	Mercedes-Benz	ML320	3.2	YMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3097	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
3098	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
3099	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3100	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
3101	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
3102	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
3103	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
3104	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3105	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447264	ALL
3106	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447277	ALL
3107	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
3108	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
3109	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3110	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
3111	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
3112	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
3113	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
3114	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3115	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447263	ALL
3116	2000	Mercedes-Benz	ML55 AMG	5.5	YMBXT05.5GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447276	ALL

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
3117	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
3118	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
3119	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3120	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
3121	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
3122	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
3123	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
3124	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3125	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447264	ALL
3126	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447277	ALL
3127	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
3128	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
3129	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3130	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
3131	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
3132	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
3133	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
3134	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3135	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447263	ALL
3136	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447276	ALL
3137	2002	Mercedes-Benz	G500	5	2MBXT05.01BX	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3138	2002	Mercedes-Benz	G500	5	2MBXT05.01BX	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3139	2002	Mercedes-Benz	G500	5	2MBXT05.01BX	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3140	2002	Mercedes-Benz	G500	5	2MBXT05.01BX	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3141	2002	Mercedes-Benz	ML500	5	2MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3142	2002	Mercedes-Benz	ML500	5	2MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3143	2002	Mercedes-Benz	ML500	5	2MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3144	2002	Mercedes-Benz	ML500	5	2MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3145	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
3146	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
3147	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3148	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
3149	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
3150	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
3151	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
3152	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3153	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447263	ALL
3154	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447276	ALL
3155	2003	Mercedes-Benz	G500	5	3MBXT05.51BI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3156	2003	Mercedes-Benz	G500	5	3MBXT05.51BI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3157	2003	Mercedes-Benz	G500	5	3MBXT05.51BI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3158	2003	Mercedes-Benz	G500	5	3MBXT05.51BI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3159	2003	Mercedes-Benz	G55 AMG	5.5	3MBXT05.51BI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3160	2003	Mercedes-Benz	G55 AMG	5.5	3MBXT05.51BI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3161	2003	Mercedes-Benz	G55 AMG	5.5	3MBXT05.51BI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3162	2003	Mercedes-Benz	G55 AMG	5.5	3MBXT05.51BI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3163	2003	Mercedes-Benz	ML500	5	3MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3164	2003	Mercedes-Benz	ML500	5	3MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3165	2003	Mercedes-Benz	ML500	5	3MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3166	2003	Mercedes-Benz	ML500	5	3MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3167	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
3168	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
3169	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3170	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
3171	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
3172	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
3173	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
3174	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3175	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UL	DIRECT FIT	447263	ALL
3176	2003	Mercedes-Benz	ML55 AMG	5.5	3MBXT05.51TR	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	UR	DIRECT FIT	447276	ALL
3177	2004	Mercedes-Benz	G500	5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3178	2004	Mercedes-Benz	G500	5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3179	2004	Mercedes-Benz	G500	5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3180	2004	Mercedes-Benz	G500	5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3181	2004	Mercedes-Benz	G55 AMG	5.5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3182	2004	Mercedes-Benz	G55 AMG	5.5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3183	2004	Mercedes-Benz	G55 AMG	5.5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3184	2004	Mercedes-Benz	G55 AMG	5.5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3185	2004	Mercedes-Benz	ML500	5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3186	2004	Mercedes-Benz	ML500	5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3187	2004	Mercedes-Benz	ML500	5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3188	2004	Mercedes-Benz	ML500	5	4MBXT05.5LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3189	2005	Mercedes-Benz	G500	5	5MBXT05.0LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3190	2005	Mercedes-Benz	G500	5	5MBXT05.0LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3191	2005	Mercedes-Benz	G500	5	5MBXT05.0LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3192	2005	Mercedes-Benz	G500	5	5MBXT05.0LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3193	2005	Mercedes-Benz	ML500	5	5MBXT05.0LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3194	2005	Mercedes-Benz	ML500	5	5MBXT05.0LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL
3195	2005	Mercedes-Benz	ML500	5	5MBXT05.0LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3196	2005	Mercedes-Benz	ML500	5	5MBXT05.0LBI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3197	2006	Mercedes-Benz	G55 AMG	5.5	6MBXV05.5LBI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447105	ALL
3198	2006	Mercedes-Benz	G55 AMG	5.5	6MBXV05.5LBI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	F	UNIVERSAL	447106	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3199	2006	Mercedes-Benz	G55 AMG	5.5	6MBXV05.5LBI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447205	ALL
3200	2006	Mercedes-Benz	G55 AMG	5.5	6MBXV05.5LBI	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	R	UNIVERSAL	447206	ALL
3201	1996	Mercury	Villager	3	TFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447104	ALL
3202	1996	Mercury	Villager	3	TFM3.028GIHK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447104	ALL
3203	1996	Mercury	Villager	3	TFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
3204	1996	Mercury	Villager	3	TFM3.028GIHK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
3205	1996	Mercury	Villager	3	TFM3.028GIHK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
3206	1996	Mercury	Villager	3	TFM3.028GIHK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447204	ALL
3207	1996	Mercury	Villager	3	TFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447204	ALL
3208	1996	Mercury	Villager	3	TFM3.028GIHK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3209	1996	Mercury	Villager	3	TFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3210	1996	Mercury	Villager	3	TFM3.028GIHK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3211	1996	Mercury	Villager	3	TFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3212	1996	Mercury	Villager	3	TFM3.028GIHK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447210	ALL
3213	1996	Mercury	Villager	3	TFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447210	ALL
3214	1996	Mercury	Villager	3	TFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447170	ALL
3215	1996	Mercury	Villager	3	TFM3.028GIHK	TIER1	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447170	ALL
3216	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
3217	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
3218	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3219	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3220	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3221	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3222	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3223	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3224	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447101	ALL
3225	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
3226	1997	Mercury	Mountaineer	5	VFM5.028GF EK	TIER1	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
3227	1997	Mercury	Villager	3	VFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447104	ALL
3228	1997	Mercury	Villager	3	VFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
3229	1997	Mercury	Villager	3	VFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
3230	1997	Mercury	Villager	3	VFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	DIRECT FIT	447170	ALL
3231	1997	Mercury	Villager	3	VFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447204	ALL
3232	1997	Mercury	Villager	3	VFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3233	1997	Mercury	Villager	3	VFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3234	1997	Mercury	Villager	3	VFM3.028G1HK	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447210	ALL
3235	1998	Mercury	Mountaineer	4	WFMXT04.0FAA	TLEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447105	ALL
3236	1998	Mercury	Mountaineer	4	WFMXT04.0FAA	TLEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447106	ALL
3237	1998	Mercury	Mountaineer	4	WFMXT04.0FAA	TLEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3238	1998	Mercury	Mountaineer	4	WFMXT04.0FAA	TLEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3239	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3240	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
3241	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3242	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3243	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3244	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3245	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3246	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3247	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447101	ALL
3248	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
3249	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
3250	1998	Mercury	Villager	3	WFMXT03.014A	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447104	ALL
3251	1998	Mercury	Villager	3	WFMXT03.014A	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
3252	1998	Mercury	Villager	3	WFMXT03.014A	TIER1	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
3253	1998	Mercury	Villager	3	WFMXT03.014A	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447204	ALL
3254	1998	Mercury	Villager	3	WFMXT03.014A	TIER1	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3255	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
3256	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
3257	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3258	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3259	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3260	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3261	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3262	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3263	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
3264	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
3265	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
3266	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
3267	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3268	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3269	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3270	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3271	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3272	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3273	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
3274	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
3275	2001	Mercury	Mountaineer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447104	ALL
3276	2001	Mercury	Mountaineer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447105	ALL
3277	2001	Mercury	Mountaineer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	F	UNIVERSAL	447106	ALL
3278	2001	Mercury	Mountaineer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3279	2001	Mercury	Mountaineer	4	1FMXT04.02F5	LEV1 LEV	LDT2	DS	2TWC,TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3280	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3281	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
3282	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3283	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3284	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3285	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3286	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3287	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3288	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
3289	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
3290	2002	Mercury	Mountaineer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3291	2002	Mercury	Mountaineer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3292	2002	Mercury	Mountaineer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3293	2002	Mercury	Mountaineer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3294	2002	Mercury	Mountaineer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
3295	2002	Mercury	Mountaineer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
3296	2002	Mercury	Mountaineer	4	2FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
3297	2002	Mercury	Mountaineer	4	2FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
3298	2002	Mercury	Mountaineer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3299	2002	Mercury	Mountaineer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3300	2002	Mercury	Mountaineer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3301	2002	Mercury	Mountaineer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3302	2002	Mercury	Mountaineer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3303	2002	Mercury	Mountaineer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3304	2002	Mercury	Mountaineer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3305	2002	Mercury	Mountaineer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3306	2002	Mercury	Mountaineer	4.6	2FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
3307	2002	Mercury	Mountaineer	4.6	2FMXT04.62F5	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
3308	2003	Mercury	Mountaineer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3309	2003	Mercury	Mountaineer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3310	2003	Mercury	Mountaineer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3311	2003	Mercury	Mountaineer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3312	2003	Mercury	Mountaineer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3313	2003	Mercury	Mountaineer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3314	2003	Mercury	Mountaineer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3315	2003	Mercury	Mountaineer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3316	2003	Mercury	Mountaineer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
3317	2003	Mercury	Mountaineer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
3318	2003	Mercury	Mountaineer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
3319	2003	Mercury	Mountaineer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447236	ALL
3320	2003	Mercury	Mountaineer	4	3FMXT04.02FC	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
3321	2003	Mercury	Mountaineer	4	3FMXT04.02F8	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3322	2003	Mercury	Mountaineer	4	3FMXT04.02FB	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
3323	2003	Mercury	Mountaineer	4	3FMXT04.02F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447253	ALL
3324	2003	Mercury	Mountaineer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3325	2003	Mercury	Mountaineer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3326	2003	Mercury	Mountaineer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3327	2003	Mercury	Mountaineer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3328	2003	Mercury	Mountaineer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3329	2003	Mercury	Mountaineer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3330	2003	Mercury	Mountaineer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3331	2003	Mercury	Mountaineer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3332	2003	Mercury	Mountaineer	4.6	3FMXT04.62F7	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
3333	2003	Mercury	Mountaineer	4.6	3FMXT04.62F6	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	U	DIRECT FIT	447243	ALL
3334	1996	Nissan	Quest	3	TNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447104	ALL
3335	1996	Nissan	Quest	3	TNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447105	ALL
3336	1996	Nissan	Quest	3	TNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447106	ALL
3337	1996	Nissan	Quest	3	TNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	DIRECT FIT	447170	ALL
3338	1996	Nissan	Quest	3	TNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447204	ALL
3339	1996	Nissan	Quest	3	TNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447205	ALL
3340	1996	Nissan	Quest	3	TNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447206	ALL
3341	1996	Nissan	Quest	3	TNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	DIRECT FIT	447210	ALL
3342	1997	Nissan	Quest	3	VNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447104	ALL
3343	1997	Nissan	Quest	3	VNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447105	ALL
3344	1997	Nissan	Quest	3	VNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447106	ALL
3345	1997	Nissan	Quest	3	VNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	DIRECT FIT	447170	ALL
3346	1997	Nissan	Quest	3	VNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447204	ALL
3347	1997	Nissan	Quest	3	VNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447205	ALL
3348	1997	Nissan	Quest	3	VNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447206	ALL
3349	1997	Nissan	Quest	3	VNS3.028GKEK	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	DIRECT FIT	447210	ALL
3350	1998	Nissan	Quest	3	WNSXT03.0A4A	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447104	ALL
3351	1998	Nissan	Quest	3	WNSXT03.0A4A	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447105	ALL
3352	1998	Nissan	Quest	3	WNSXT03.0A4A	TIER1	LDT2	S	WU-TWC,TWC	2	1	F	UNIVERSAL	447106	ALL
3353	1998	Nissan	Quest	3	WNSXT03.0A4A	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447204	ALL
3354	1998	Nissan	Quest	3	WNSXT03.0A4A	TIER1	LDT2	S	WU-TWC,TWC	2	1	R	UNIVERSAL	447205	ALL
3355	1999	Nissan	Frontier	3.3	XNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447195	ALL
3356	1999	Nissan	Frontier	3.3	XNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3357	1999	Nissan	Frontier	3.3	XNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3358	1999	Nissan	Frontier	3.3	XNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3359	1999	Nissan	Frontier	3.3	XNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3360	1999	Nissan	Frontier	3.3	XNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447228	ALL
3361	1999	Nissan	Frontier	3.3	XNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3362	2000	Nissan	Frontier	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	F	UNIVERSAL	447195	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3363	2000	Nissan	Frontier	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3364	2000	Nissan	Frontier	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3365	2000	Nissan	Frontier	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3366	2000	Nissan	Frontier	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3367	2000	Nissan	Frontier	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447228	ALL
3368	2000	Nissan	Frontier	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3369	2000	Nissan	Quest	3.3	YNSXT03.335B	LEV1 LEV	LDT2	S	TWC(2)	2	1	F	DIRECT FIT	447170	ALL
3370	2000	Nissan	Quest	3.3	YNSXT03.335B	LEV1 LEV	LDT2	S	TWC(2)	2	1	R	DIRECT FIT	447210	ALL
3371	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3372	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3373	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3374	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3375	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3376	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3377	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447229	ALL
3378	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3379	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3380	2000	Nissan	Xterra	3.3	YNSXT03.335A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3381	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447193	ALL
3382	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447193	ALL
3383	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3384	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3385	2001	Nissan	Frontier	3.3	1NSXT03.3C5B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3386	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3387	2001	Nissan	Frontier	3.3	1NSXT03.3C5B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3388	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3389	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3390	2001	Nissan	Frontier	3.3	1NSXT03.3C5B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3391	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447197	ALL
3392	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447197	ALL
3393	2001	Nissan	Frontier	3.3	1NSXT03.3C5B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3394	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3395	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3396	2001	Nissan	Frontier	3.3	1NSXT03.3C5B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3397	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3398	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3399	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3400	2001	Nissan	Frontier	3.3	1NSXT03.3C5B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3401	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447228	ALL
3402	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447228	ALL
3403	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3404	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3405	2001	Nissan	Frontier	3.3	1NSXT03.3C5B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3406	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3407	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3408	2001	Nissan	Frontier	3.3	1NSXT03.3C5B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3409	2001	Nissan	Frontier	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3410	2001	Nissan	Frontier	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3411	2001	Nissan	Pathfinder	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447194	ALL
3412	2001	Nissan	Pathfinder	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447194	ALL
3413	2001	Nissan	Pathfinder	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447198	ALL
3414	2001	Nissan	Pathfinder	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447198	ALL
3415	2001	Nissan	Pathfinder	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3416	2001	Nissan	Pathfinder	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3417	2001	Nissan	Pathfinder	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3418	2001	Nissan	Pathfinder	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3419	2001	Nissan	Pathfinder	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447227	ALL
3420	2001	Nissan	Pathfinder	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447227	ALL
3421	2001	Nissan	Pathfinder	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3422	2001	Nissan	Pathfinder	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3423	2001	Nissan	Pathfinder	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3424	2001	Nissan	Pathfinder	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3425	2001	Nissan	Pathfinder	3.5	1NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447230	ALL
3426	2001	Nissan	Pathfinder	3.5	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447230	ALL
3427	2001	Nissan	Quest	3.3	1NSXT03.3C5C	LEV1 LEV	LDT2	S	TWC(2)	2	1	F	DIRECT FIT	447170	ALL
3428	2001	Nissan	Quest	3.3	1NSXT03.3C5C	LEV1 LEV	LDT2	S	TWC(2)	2	1	R	DIRECT FIT	447210	ALL
3429	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3430	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3431	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3432	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3433	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3434	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3435	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3436	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3437	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3438	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3439	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3440	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3441	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447229	ALL
3442	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447229	ALL
3443	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3444	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3445	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3446	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3447	2001	Nissan	Xterra	3.3	1NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3448	2001	Nissan	Xterra	3.3	1NSXT03.5C9A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3449	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447193	ALL
3450	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3451	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3452	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3453	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447197	ALL
3454	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3455	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3456	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3457	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447228	ALL
3458	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3459	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3460	2002	Nissan	Frontier	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3461	2002	Nissan	Pathfinder	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447194	ALL
3462	2002	Nissan	Pathfinder	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447198	ALL
3463	2002	Nissan	Pathfinder	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3464	2002	Nissan	Pathfinder	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3465	2002	Nissan	Pathfinder	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447227	ALL
3466	2002	Nissan	Pathfinder	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3467	2002	Nissan	Pathfinder	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3468	2002	Nissan	Pathfinder	3.5	2NSXT03.5C7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447230	ALL
3469	2002	Nissan	Quest	3.3	2NSXT03.3C5C	LEV1 LEV	LDT2	S	TWC(2)	2	1	F	DIRECT FIT	447170	ALL
3470	2002	Nissan	Quest	3.3	2NSXT03.3C5C	LEV1 LEV	LDT2	S	TWC(2)	2	1	R	DIRECT FIT	447210	ALL
3471	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3472	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3473	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3474	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3475	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3476	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3477	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447229	ALL
3478	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3479	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3480	2002	Nissan	Xterra	3.3	2NSXT03.3C5A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3481	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3482	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3483	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3484	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3485	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3486	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3487	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447229	ALL
3488	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3489	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3490	2003	Nissan	Frontier	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3491	2003	Nissan	Murano	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC,TWC	3	2	F	UNIVERSAL	447104	ALL
3492	2003	Nissan	Murano	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC,TWC	3	2	F	UNIVERSAL	447105	ALL
3493	2003	Nissan	Murano	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC,TWC	3	2	F	UNIVERSAL	447106	ALL
3494	2003	Nissan	Murano	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC,TWC	3	2	R	UNIVERSAL	447204	ALL
3495	2003	Nissan	Murano	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3496	2003	Nissan	Murano	3.5	3NSXT03.5C7B	LEV1 LEV	LDT2	D	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3497	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3498	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3499	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3500	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3501	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3502	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3503	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447229	ALL
3504	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3505	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3506	2003	Nissan	Xterra	3.3	3NSXT03.3C6A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3507	2004	Nissan	Frontier	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3508	2004	Nissan	Frontier	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3509	2004	Nissan	Frontier	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447205	ALL
3510	2004	Nissan	Frontier	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	R	UNIVERSAL	447206	ALL
3511	2004	Nissan	Frontier	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3512	2004	Nissan	Frontier	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3513	2004	Nissan	Frontier	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3514	2004	Nissan	Frontier	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3515	2004	Nissan	Frontier	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3516	2004	Nissan	Frontier	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3517	2004	Nissan	Frontier	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3518	2004	Nissan	Pathfinder	3.5	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447194	ALL
3519	2004	Nissan	Pathfinder	3.5	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447198	ALL
3520	2004	Nissan	Pathfinder	3.5	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3521	2004	Nissan	Pathfinder	3.5	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3522	2004	Nissan	Pathfinder	3.5	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447227	ALL
3523	2004	Nissan	Pathfinder	3.5	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3524	2004	Nissan	Pathfinder	3.5	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3525	2004	Nissan	Pathfinder	3.5	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447230	ALL
3526	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3527	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447195	ALL
3528	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3529	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	DIRECT FIT	447196	ALL
3530	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3531	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447195	ALL
3532	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3533	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	DIRECT FIT	447199	ALL
3534	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3535	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3536	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3537	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3538	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447229	ALL
3539	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	DIRECT FIT	447229	ALL
3540	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3541	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3542	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3543	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3544	2004	Nissan	Xterra	3.3	4NSXT03.5M7A	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3545	2004	Nissan	Xterra	3.3	4NSXT03.3M6B	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	DIRECT FIT	447231	ALL
3546	1998	Oldsmobile	Bravada	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	ALL
3547	1998	Oldsmobile	Bravada	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	ALL
3548	1998	Oldsmobile	Bravada	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3549	1998	Oldsmobile	Bravada	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3550	1998	Oldsmobile	Bravada	4.3	WGMXT04.3185	TLEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447212	ALL
3551	1999	Oldsmobile	Bravada	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
3552	1999	Oldsmobile	Bravada	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447106	ALL
3553	1999	Oldsmobile	Bravada	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
3554	1999	Oldsmobile	Bravada	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447206	ALL
3555	1999	Oldsmobile	Bravada	4.3	XGMXT04.3185	LEV1 LEV	LDT2	S	TWC(2)	2	1	U	DIRECT FIT	447212	ALL
3556	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
3557	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
3558	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD
3559	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
3560	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
3561	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
3562	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
3563	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447239	2WD
3564	2000	Oldsmobile	Bravada	4.3	YGMXT04.3188	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	4WD
3565	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	4WD
3566	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447105	2WD
3567	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	4WD

Appendix D-193-103
Car Sound Exhaust Systems, Inc. 447100 / 447200

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
3568	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447106	2WD
3569	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	2WD
3570	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	2WD
3571	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447209	4WD
3572	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447239	2WD
3573	2001	Oldsmobile	Bravada	4.3	1GMXT04.3187	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	U	DIRECT FIT	447252	4WD
3574	1994	Toyota	Previa	2.4	RTY2.42HGEEK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447104	ALL
3575	1994	Toyota	Previa	2.4	RTY2.42HGEEK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
3576	1994	Toyota	Previa	2.4	RTY2.42HGEEK	TIER1	LDT2	S	TWC(2)	2	1	F	DIRECT FIT	447186	ALL
3577	1994	Toyota	Previa	2.4	RTY2.42HGEEK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447204	ALL
3578	1995	Toyota	Land Cruiser	4.5	STY4.55JGFEK	TIER1	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447103	ALL
3579	1995	Toyota	Land Cruiser	4.5	STY4.55JGFEK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3580	1995	Toyota	Land Cruiser	4.5	STY4.55JGFEK	TIER1	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
3581	1995	Toyota	Land Cruiser	4.5	STY4.55JGFEK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3582	1995	Toyota	Land Cruiser	4.5	STY4.55JGFEK	TIER1	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3583	1995	Toyota	Land Cruiser	4.5	STY4.55JGFEK	TIER1	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447217	ALL
3584	1995	Toyota	Previa	2.4	STY2.42HGJEK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447104	ALL
3585	1995	Toyota	Previa	2.4	STY2.42HGJEK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
3586	1995	Toyota	Previa	2.4	STY2.42HGJEK	TIER1	LDT2	S	TWC(2)	2	1	F	DIRECT FIT	447186	ALL
3587	1995	Toyota	Previa	2.4	STY2.42HGJEK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447204	ALL
3588	1995	Toyota	Previa	2.4	STY2.42HGJEK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
3589	1996	Toyota	Land Cruiser	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	2	F	DIRECT FIT	447103	ALL
3590	1996	Toyota	Land Cruiser	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3591	1996	Toyota	Land Cruiser	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
3592	1996	Toyota	Land Cruiser	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3593	1996	Toyota	Land Cruiser	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3594	1996	Toyota	Land Cruiser	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	2	R	DIRECT FIT	447217	ALL
3595	1996	Toyota	Previa	2.4	TTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447104	ALL
3596	1996	Toyota	Previa	2.4	TTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
3597	1996	Toyota	Previa	2.4	TTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	F	DIRECT FIT	447186	ALL
3598	1996	Toyota	Previa	2.4	TTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447204	ALL
3599	1996	Toyota	Previa	2.4	TTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
3600	1997	Toyota	Land Cruiser	4.5	VTY4.55JGKEK	TIER1	MDV2	S	TWC(2)	2	2	F	DIRECT FIT	447103	ALL
3601	1997	Toyota	Land Cruiser	4.5	VTY4.55JGKEK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3602	1997	Toyota	Land Cruiser	4.5	VTY4.55JGKEK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
3603	1997	Toyota	Land Cruiser	4.5	VTY4.55JGKEK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3604	1997	Toyota	Land Cruiser	4.5	VTY4.55JGKEK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3605	1997	Toyota	Land Cruiser	4.5	VTY4.55JGKEK	TIER1	MDV2	S	TWC(2)	2	2	R	DIRECT FIT	447217	ALL
3606	1997	Toyota	Previa	2.4	VTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447104	ALL
3607	1997	Toyota	Previa	2.4	VTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
3608	1997	Toyota	Previa	2.4	VTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	F	DIRECT FIT	447186	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3609	1997	Toyota	Previa	2.4	VTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447204	ALL
3610	1997	Toyota	Previa	2.4	VTY2.42HGKEK	TIER1	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
3611	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
3612	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
3613	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
3614	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
3615	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
3616	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
3617	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3618	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3619	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3620	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3621	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3622	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3623	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
3624	1998	Toyota	Land Cruiser	4.7	WTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
3625	1999	Toyota	4Runner	3.4	XTYXT03.4GXS	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
3626	1999	Toyota	4Runner	3.4	XTYXT03.4GXS	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3627	1999	Toyota	4Runner	3.4	XTYXT03.4GXS	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
3628	1999	Toyota	4Runner	3.4	XTYXT03.4GXS	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447192	ALL
3629	1999	Toyota	4Runner	3.4	XTYXT03.4GXS	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3630	1999	Toyota	4Runner	3.4	XTYXT03.4GXS	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3631	1999	Toyota	4Runner	3.4	XTYXT03.4GXS	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3632	1999	Toyota	4Runner	3.4	XTYXT03.4GXS	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447225	ALL
3633	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
3634	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
3635	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
3636	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
3637	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
3638	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
3639	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3640	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3641	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3642	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3643	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3644	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3645	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
3646	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
3647	1999	Toyota	Sienna	3	XTYXT03.0GXS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	FL	DIRECT FIT	447161	ALL
3648	1999	Toyota	Sienna	3	XTYXT03.0GXS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	FR	DIRECT FIT	447163	ALL
3649	1999	Toyota	Sienna	3	XTYXT03.0GXS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	447204	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3650	1999	Toyota	Sienna	3	XTYXT03.0GXS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3651	1999	Toyota	Sienna	3	XTYXT03.0GXS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3652	2000	Toyota	4Runner	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
3653	2000	Toyota	4Runner	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3654	2000	Toyota	4Runner	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
3655	2000	Toyota	4Runner	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3656	2000	Toyota	4Runner	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3657	2000	Toyota	4Runner	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3658	2000	Toyota	4Runner	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
3659	2000	Toyota	4Runner	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3660	2000	Toyota	4Runner	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
3661	2000	Toyota	4Runner	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447192	ALL
3662	2000	Toyota	4Runner	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3663	2000	Toyota	4Runner	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3664	2000	Toyota	4Runner	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3665	2000	Toyota	4Runner	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447225	ALL
3666	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
3667	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
3668	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
3669	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
3670	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
3671	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
3672	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3673	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3674	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3675	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3676	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3677	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3678	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
3679	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
3680	2000	Toyota	Sienna	3	YTYXT03.0FFS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	FL	DIRECT FIT	447161	ALL
3681	2000	Toyota	Sienna	3	YTYXT03.0FFS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	FR	DIRECT FIT	447163	ALL
3682	2000	Toyota	Sienna	3	YTYXT03.0FFS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	447204	ALL
3683	2000	Toyota	Sienna	3	YTYXT03.0FFS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3684	2000	Toyota	Sienna	3	YTYXT03.0FFS	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3685	2000	Toyota	Tacoma	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447104	ALL
3686	2000	Toyota	Tacoma	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447105	ALL
3687	2000	Toyota	Tacoma	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	1	F	UNIVERSAL	447106	ALL
3688	2000	Toyota	Tacoma	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447204	ALL
3689	2000	Toyota	Tacoma	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447205	ALL
3690	2000	Toyota	Tacoma	2.7	YTYXT02.7FFR	LEV1 LEV	LDT2	S	TWC(2)	2	1	R	UNIVERSAL	447206	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3691	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	2WD
3692	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	4WD
3693	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447185	4WD
3694	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	4WD
3695	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	2WD
3696	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	4WD
3697	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	2WD
3698	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	4WD
3699	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	2WD
3700	2000	Toyota	Tacoma	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447220	4WD
3701	2000	Toyota	Tundra	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	ALL
3702	2000	Toyota	Tundra	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447185	ALL
3703	2000	Toyota	Tundra	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3704	2000	Toyota	Tundra	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3705	2000	Toyota	Tundra	3.4	YTYXT03.4FFR	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447226	ALL
3706	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
3707	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL
3708	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	DIRECT FIT	447173	2WD
3709	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	DIRECT FIT	447976	4WD
3710	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
3711	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
3712	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	DIRECT FIT	447172	ALL
3713	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3714	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3715	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447221	ALL
3716	2001	Toyota	4Runner	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
3717	2001	Toyota	4Runner	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3718	2001	Toyota	4Runner	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
3719	2001	Toyota	4Runner	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447192	ALL
3720	2001	Toyota	4Runner	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3721	2001	Toyota	4Runner	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3722	2001	Toyota	4Runner	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3723	2001	Toyota	4Runner	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447225	ALL
3724	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
3725	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
3726	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
3727	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
3728	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
3729	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
3730	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3731	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3732	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3733	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3734	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3735	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3736	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
3737	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
3738	2001	Toyota	Sienna	3	1TYXT03.0FFP	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	DIRECT FIT	447161	ALL
3739	2001	Toyota	Sienna	3	1TYXT03.0FFP	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	DIRECT FIT	447160	ALL
3740	2001	Toyota	Sienna	3	1TYXT03.0FFP	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3741	2001	Toyota	Sienna	3	1TYXT03.0FFP	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447207	ALL
3742	2001	Toyota	Tacoma	2.7	1TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	ALL
3743	2001	Toyota	Tacoma	2.7	1TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447184	ALL
3744	2001	Toyota	Tacoma	2.7	1TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3745	2001	Toyota	Tacoma	2.7	1TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3746	2001	Toyota	Tacoma	2.7	1TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3747	2001	Toyota	Tacoma	2.7	1TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447218	ALL
3748	2001	Toyota	Tacoma	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	ALL
3749	2001	Toyota	Tacoma	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447185	ALL
3750	2001	Toyota	Tacoma	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3751	2001	Toyota	Tacoma	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3752	2001	Toyota	Tacoma	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3753	2001	Toyota	Tacoma	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447219	ALL
3754	2001	Toyota	Tundra	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	ALL
3755	2001	Toyota	Tundra	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447185	ALL
3756	2001	Toyota	Tundra	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3757	2001	Toyota	Tundra	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3758	2001	Toyota	Tundra	3.4	1TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447226	ALL
3759	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
3760	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL
3761	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	DIRECT FIT	447173	2WD
3762	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	DIRECT FIT	447976	4WD
3763	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
3764	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
3765	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	DIRECT FIT	447172	ALL
3766	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3767	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3768	2001	Toyota	Tundra	4.7	1TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447221	ALL
3769	2002	Toyota	4Runner	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447104	ALL
3770	2002	Toyota	4Runner	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447105	ALL
3771	2002	Toyota	4Runner	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447106	ALL
3772	2002	Toyota	4Runner	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447192	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3773	2002	Toyota	4Runner	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3774	2002	Toyota	4Runner	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3775	2002	Toyota	4Runner	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3776	2002	Toyota	4Runner	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447225	ALL
3777	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447104	ALL
3778	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447105	ALL
3779	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FL	UNIVERSAL	447106	ALL
3780	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447104	ALL
3781	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447105	ALL
3782	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	FR	UNIVERSAL	447106	ALL
3783	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447204	ALL
3784	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
3785	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RL	UNIVERSAL	447206	ALL
3786	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447204	ALL
3787	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
3788	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	RR	UNIVERSAL	447206	ALL
3789	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UL	DIRECT FIT	447266	ALL
3790	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	2	UR	DIRECT FIT	447266	ALL
3791	2002	Toyota	Sienna	3	2TYXT03.0FFP	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	FL	DIRECT FIT	447161	ALL
3792	2002	Toyota	Sienna	3	2TYXT03.0FFP	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	FR	DIRECT FIT	447160	ALL
3793	2002	Toyota	Sienna	3	2TYXT03.0FFP	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3794	2002	Toyota	Sienna	3	2TYXT03.0FFP	LEV1 LEV	LDT2	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	447207	ALL
3795	2002	Toyota	Tacoma	2.7	2TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	ALL
3796	2002	Toyota	Tacoma	2.7	2TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447184	ALL
3797	2002	Toyota	Tacoma	2.7	2TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3798	2002	Toyota	Tacoma	2.7	2TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3799	2002	Toyota	Tacoma	2.7	2TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3800	2002	Toyota	Tacoma	2.7	2TYXT02.7FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447218	ALL
3801	2002	Toyota	Tacoma	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	ALL
3802	2002	Toyota	Tacoma	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447185	ALL
3803	2002	Toyota	Tacoma	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447204	ALL
3804	2002	Toyota	Tacoma	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3805	2002	Toyota	Tacoma	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3806	2002	Toyota	Tacoma	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447219	ALL
3807	2002	Toyota	Tundra	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	UNIVERSAL	447175	ALL
3808	2002	Toyota	Tundra	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	F	DIRECT FIT	447185	ALL
3809	2002	Toyota	Tundra	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447205	ALL
3810	2002	Toyota	Tundra	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	UNIVERSAL	447206	ALL
3811	2002	Toyota	Tundra	3.4	2TYXT03.4FFP	LEV1 LEV	LDT2	S	TWC(2)	2	2	R	DIRECT FIT	447226	ALL
3812	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447104	ALL
3813	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447105	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3814	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	DIRECT FIT	447173	2WD
3815	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	DIRECT FIT	447976	4WD
3816	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447104	ALL
3817	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447105	ALL
3818	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	DIRECT FIT	447172	ALL
3819	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447205	ALL
3820	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3821	2002	Toyota	Tundra	4.7	2TYXT04.7FBY	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447221	ALL
3822	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447104	ALL
3823	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447105	ALL
3824	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FL	UNIVERSAL	447106	ALL
3825	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447104	ALL
3826	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3827	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL
3828	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447205	ALL
3829	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RL	UNIVERSAL	447206	ALL
3830	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3831	2003	Toyota	Sienna	3	3TYXT03.0FFP	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FL	DIRECT FIT	447161	ALL
3832	2003	Toyota	Sienna	3	3TYXT03.0FFP	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	FR	DIRECT FIT	447160	ALL
3833	2003	Toyota	Sienna	3	3TYXT03.0FFP	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
3834	2003	Toyota	Sienna	3	3TYXT03.0FFP	LEV1 LEV	LDT2	DS	2TWC,TWC	3	2	R	DIRECT FIT	447207	ALL
3835	2003	Toyota	Tacoma	2.7	3TYXT02.7FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447175	ALL
3836	2003	Toyota	Tacoma	2.7	3TYXT02.7FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	DIRECT FIT	447184	ALL
3837	2003	Toyota	Tacoma	2.7	3TYXT02.7FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447204	ALL
3838	2003	Toyota	Tacoma	2.7	3TYXT02.7FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3839	2003	Toyota	Tacoma	2.7	3TYXT02.7FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3840	2003	Toyota	Tacoma	2.7	3TYXT02.7FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447218	ALL
3841	2003	Toyota	Tacoma	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447175	ALL
3842	2003	Toyota	Tacoma	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	DIRECT FIT	447185	ALL
3843	2003	Toyota	Tacoma	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447204	ALL
3844	2003	Toyota	Tacoma	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3845	2003	Toyota	Tacoma	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3846	2003	Toyota	Tacoma	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447219	ALL
3847	2003	Toyota	Tundra	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447175	ALL
3848	2003	Toyota	Tundra	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	DIRECT FIT	447185	ALL
3849	2003	Toyota	Tundra	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3850	2003	Toyota	Tundra	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3851	2003	Toyota	Tundra	3.4	3TYXT03.4FFP	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447226	ALL
3852	2004	Toyota	Land Cruiser	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447104	ALL
3853	2004	Toyota	Land Cruiser	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447105	ALL
3854	2004	Toyota	Land Cruiser	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	FR	UNIVERSAL	447106	ALL

Appendix D-193-103															
Car Sound Exhaust Systems, Inc. 447100 / 447200															
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
3855	2004	Toyota	Land Cruiser	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447205	ALL
3856	2004	Toyota	Land Cruiser	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	2	RR	UNIVERSAL	447206	ALL
3857	2004	Toyota	Tacoma	2.7	4TYXT02.7VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447175	ALL
3858	2004	Toyota	Tacoma	2.7	4TYXT02.7VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	DIRECT FIT	447184	ALL
3859	2004	Toyota	Tacoma	2.7	4TYXT02.7VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447204	ALL
3860	2004	Toyota	Tacoma	2.7	4TYXT02.7VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3861	2004	Toyota	Tacoma	2.7	4TYXT02.7VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3862	2004	Toyota	Tacoma	2.7	4TYXT02.7VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447218	ALL
3863	2004	Toyota	Tacoma	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447175	ALL
3864	2004	Toyota	Tacoma	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	DIRECT FIT	447185	ALL
3865	2004	Toyota	Tacoma	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447204	ALL
3866	2004	Toyota	Tacoma	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3867	2004	Toyota	Tacoma	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3868	2004	Toyota	Tacoma	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447219	ALL
3869	2004	Toyota	Tundra	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	447175	ALL
3870	2004	Toyota	Tundra	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	F	DIRECT FIT	447185	ALL
3871	2004	Toyota	Tundra	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447205	ALL
3872	2004	Toyota	Tundra	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	447206	ALL
3873	2004	Toyota	Tundra	3.4	4TYXT03.4VRM	LEV1 LEV	LDT2	S	WU-TWC,TWC	2	2	R	DIRECT FIT	447226	ALL