

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-115  
Relating to Exemptions under Sections 27156 and 38391  
of the Vehicle Code

Car Sound Exhaust Systems, Inc. (d.b.a. Magnaflow)  
"Series 455000 Three-Way Catalytic Converter"

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

WHEREAS, Car Sound Exhaust Systems, Inc. (Car Sound) of 22961 Arroyo Vista, Rancho Santa Margarita, California 92688 has applied to ARB for exemption from the prohibitions in VC Sections 27156 and 38391 to market its new aftermarket series 455000 three-way catalytic converter (TWC) on select 1999 through 2006 model-year light-duty trucks [3,751-5,750 lbs. GVW] (LDT2) and medium-duty vehicles equipped with on-board diagnostic II (OBD II) systems as specified in Appendix D-193-115 and incorporated herein. Series 455000 TWC will be used on a single or multiple catalytic converter applications and sold as universal or direct fit systems.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code (HSC) Section 39515 and in the Chief of the Mobile Source Operations Division by HSC Section 39516 and Executive Order G-02-003, ARB finds that the above aftermarket catalytic converter complies with VC Sections 27156 and 38395 and 13 CCR Section 2222(h). Emission performance of the catalytic converter was based on durability bench-aging by Lotus Engineering, Inc. using ARB-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 (Converter Evaluation Procedures).

WHEREAS, emissions and OBD II compatibility tests conducted by Car Sound using a 2002 model-year 3.8 liter Ford Windstar (LEV I ULEV LDT2, 2FMXT03.82J7) with series 455000 TWC showed that the vehicle met the applicable emission standards and that series 455000 TWC 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 LEV I ULEV 100K standards	0.070	2.8	0.5
2002 Windstar test 1	0.048	1.6	0.08
2002 Windstar test 2	0.057	1.6	0.07

WHEREAS, Car Sound conducted proper malfunction indicator light illumination demonstration with series 455000 TWC on the same 2002 model-year 3.8 liter Ford Windstar and demonstrated compliance with the requirements in Section (e)(5)(B) of the Converter Evaluation Procedures.

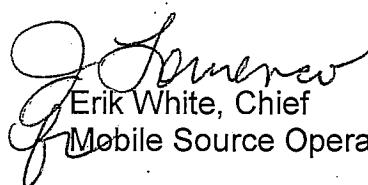
THEREFORE, IT IS HEREBY RESOLVED that Car Sound's series 455000 TWC is exempted from the prohibitions in VC Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-193-115 subject to the following conditions:

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 ARB 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 ARB. 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, 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 VC Sections 27156 and 38391.
4. Car Sound's installation instructions for the new catalytic converters must conform to requirements in Section (h) of the Converter Evaluation Procedures.
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 Converter Evaluation Procedures.
7. Car Sound 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 ARB prior to shipment.

9. Car Sound, its associates, vendors, other businesses and individuals associated with Car Sound may not sell or supply new aftermarket catalytic converter substrates to a third party to be assembled in a different facility and marketed under this Executive Order without approval from ARB.
10. Car Sound shall comply with the quality control procedures and reporting requirements in Section (f)(5) of the Converter Evaluation Procedures.
11. Quality control reports must be submitted on a quarterly basis and warranty information reports on a semi-annual basis.
12. Car Sound must provide a permanent label or stamp as specified under Section (f)(1) of the Converter Evaluation Procedures.
13. Car Sound's vehicle application catalog must conform to the requirements specified under Section (f)(4) of the Converter Evaluation Procedures.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a 30-day written notice of intention to revoke it, during which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within 30 days of receipt of the request, and the order may not be revoked until a determination is made, after the hearing, that grounds for revocation exist.

Executed at El Monte, California, this 29<sup>th</sup> day of October 2013.

  
Erik White, Chief  
Mobile Source Operations Division

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

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	2001	Acura	MDX	3.5	1HNXT03.5K86	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455012	ALL
2	2001	Acura	MDX	3.5	1HNXT03.5K86	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
3	2001	Acura	MDX	3.5	1HNXT03.5K86	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
4	2001	Acura	MDX	3.5	1HNXT03.5K86	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
5	2002	Acura	MDX	3.5	2HNXT03.5KYT	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455012	ALL
6	2002	Acura	MDX	3.5	2HNXT03.5KYT	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
7	2002	Acura	MDX	3.5	2HNXT03.5KYT	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
8	2002	Acura	MDX	3.5	2HNXT03.5KYT	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
9	2002	Buick	Rendezvous	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455041	FWD
10	2002	Buick	Rendezvous	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
11	2002	Buick	Rendezvous	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
12	2002	Buick	Rendezvous	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
13	2004	Buick	Rendezvous	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455038	FWD
14	2004	Buick	Rendezvous	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
15	2004	Buick	Rendezvous	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
16	2004	Buick	Rendezvous	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
17	2004	Buick	Rendezvous	3.6	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455004	ALL
18	2004	Buick	Rendezvous	3.6	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455005	ALL
19	2004	Buick	Rendezvous	3.6	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455006	ALL
20	2005	Buick	Rendezvous	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455038	FWD
21	2005	Buick	Rendezvous	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
22	2005	Buick	Rendezvous	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
23	2005	Buick	Rendezvous	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
24	2005	Buick	Rendezvous	3.6	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455004	AWD
25	2005	Buick	Rendezvous	3.6	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455004	FWD
26	2005	Buick	Rendezvous	3.6	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455005	AWD
27	2005	Buick	Rendezvous	3.6	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455005	FWD
28	2005	Buick	Rendezvous	3.6	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455006	FWD
29	2005	Buick	Rendezvous	3.6	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455006	AWD
30	2006	Buick	Rendezvous	3.6	6GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455004	AWD
31	2006	Buick	Rendezvous	3.6	6GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455004	FWD
32	2006	Buick	Rendezvous	3.6	6GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455005	FWD
33	2006	Buick	Rendezvous	3.6	6GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455005	AWD
34	2006	Buick	Rendezvous	3.6	6GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455006	FWD
35	2006	Buick	Rendezvous	3.6	6GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455006	AWD
36	2003	Cadillac	Escalade	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
37	2003	Cadillac	Escalade	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
38	2003	Cadillac	Escalade	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
39	2003	Cadillac	Escalade	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
40	2003	Cadillac	Escalade	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
41	2005	Cadillac	Escalade	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	2WD
42	2005	Cadillac	Escalade	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
43	2005	Cadillac	Escalade	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
44	2005	Cadillac	Escalade	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
45	2005	Cadillac	Escalade	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
46	2005	Cadillac	Escalade	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
47	2001	Chevrolet	Venture	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455019	ALL
48	2001	Chevrolet	Venture	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
49	2001	Chevrolet	Venture	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
50	2001	Chevrolet	Venture	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
51	2002	Chevrolet	Venture	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455041	FWD
52	2002	Chevrolet	Venture	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
53	2002	Chevrolet	Venture	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
54	2002	Chevrolet	Venture	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
55	2003	Chevrolet	Avalanche 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
56	2003	Chevrolet	Avalanche 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
57	2003	Chevrolet	Avalanche 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
58	2003	Chevrolet	Avalanche 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
59	2003	Chevrolet	Avalanche 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
60	2003	Chevrolet	Avalanche 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
61	2003	Chevrolet	Avalanche 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
62	2003	Chevrolet	Express 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
63	2003	Chevrolet	Express 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
64	2003	Chevrolet	Express 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
65	2003	Chevrolet	Express 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
66	2003	Chevrolet	Express 2500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
67	2003	Chevrolet	Express 2500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
68	2003	Chevrolet	Express 2500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
69	2003	Chevrolet	Express 2500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
70	2003	Chevrolet	Silverado 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
71	2003	Chevrolet	Silverado 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
72	2003	Chevrolet	Silverado 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
73	2003	Chevrolet	Silverado 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
74	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	455009	ALL
75	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
76	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
77	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
78	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
79	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
80	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
81	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
82	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
83	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
84	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
85	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
86	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
87	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
88	2003	Chevrolet	Silverado 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
89	2003	Chevrolet	Silverado 2500 HD	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
90	2003	Chevrolet	Silverado 2500 HD	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
91	2003	Chevrolet	Silverado 3500	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
92	2003	Chevrolet	Silverado 3500	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
93	2003	Chevrolet	Suburban 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
94	2003	Chevrolet	Suburban 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
95	2003	Chevrolet	Suburban 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
96	2003	Chevrolet	Suburban 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
97	2003	Chevrolet	Suburban 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
98	2003	Chevrolet	Suburban 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
99	2003	Chevrolet	Suburban 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
100	2003	Chevrolet	Tahoe	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
101	2003	Chevrolet	Tahoe	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
102	2003	Chevrolet	Tahoe	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
103	2003	Chevrolet	Tahoe	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
104	2003	Chevrolet	Tahoe	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
105	2003	Chevrolet	Tahoe	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
106	2003	Chevrolet	Tahoe	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
107	2004	Chevrolet	Express 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455031	ALL
108	2004	Chevrolet	Express 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
109	2004	Chevrolet	Express 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
110	2004	Chevrolet	Express 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
111	2004	Chevrolet	Express 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
112	2004	Chevrolet	Express 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
113	2004	Chevrolet	Express 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
114	2004	Chevrolet	Express 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455031	ALL
115	2004	Chevrolet	Express 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
116	2004	Chevrolet	Express 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
117	2004	Chevrolet	Express 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
118	2004	Chevrolet	Express 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
119	2004	Chevrolet	Express 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
120	2004	Chevrolet	Express 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
121	2004	Chevrolet	Silverado 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
122	2004	Chevrolet	Silverado 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
123	2004	Chevrolet	Silverado 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
124	2004	Chevrolet	Silverado 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
125	2004	Chevrolet	Silverado 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
126	2004	Chevrolet	Silverado 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
127	2004	Chevrolet	Silverado 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
128	2004	Chevrolet	Tahoe	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
129	2004	Chevrolet	Tahoe	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
130	2004	Chevrolet	Tahoe	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
131	2004	Chevrolet	Tahoe	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
132	2004	Chevrolet	Tahoe	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
133	2004	Chevrolet	Tahoe	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
134	2004	Chevrolet	Tahoe	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
135	2004	Chevrolet	Venture	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
136	2004	Chevrolet	Venture	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
137	2004	Chevrolet	Venture	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
138	2005	Chevrolet	Avalanche 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
139	2005	Chevrolet	Avalanche 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
140	2005	Chevrolet	Avalanche 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
141	2005	Chevrolet	Avalanche 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
142	2005	Chevrolet	Avalanche 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
143	2005	Chevrolet	Avalanche 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
144	2005	Chevrolet	Avalanche 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
145	2005	Chevrolet	Express 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455031	ALL
146	2005	Chevrolet	Express 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
147	2005	Chevrolet	Express 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
148	2005	Chevrolet	Express 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
149	2005	Chevrolet	Express 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
150	2005	Chevrolet	Express 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
151	2005	Chevrolet	Express 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
152	2005	Chevrolet	Express 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455031	ALL
153	2005	Chevrolet	Express 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
154	2005	Chevrolet	Express 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
155	2005	Chevrolet	Express 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
156	2005	Chevrolet	Express 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
157	2005	Chevrolet	Express 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
158	2005	Chevrolet	Express 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
159	2005	Chevrolet	Silverado 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
160	2005	Chevrolet	Silverado 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
161	2005	Chevrolet	Silverado 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
162	2005	Chevrolet	Silverado 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
163	2005	Chevrolet	Silverado 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
164	2005	Chevrolet	Silverado 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
165	2005	Chevrolet	Silverado 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
166	2005	Chevrolet	Silverado 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
167	2005	Chevrolet	Silverado 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
168	2005	Chevrolet	Silverado 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
169	2005	Chevrolet	Silverado 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
170	2005	Chevrolet	Silverado 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
171	2005	Chevrolet	Silverado 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
172	2005	Chevrolet	Silverado 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
173	2005	Chevrolet	Suburban 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
174	2005	Chevrolet	Suburban 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
175	2005	Chevrolet	Suburban 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
176	2005	Chevrolet	Suburban 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
177	2005	Chevrolet	Suburban 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
178	2005	Chevrolet	Suburban 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
179	2005	Chevrolet	Suburban 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
180	2005	Chevrolet	Tahoe	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
181	2005	Chevrolet	Tahoe	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
182	2005	Chevrolet	Tahoe	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
183	2005	Chevrolet	Tahoe	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
184	2005	Chevrolet	Tahoe	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
185	2005	Chevrolet	Tahoe	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
186	2005	Chevrolet	Tahoe	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
187	2005	Chevrolet	Tahoe	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
188	2005	Chevrolet	Tahoe	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
189	2005	Chevrolet	Tahoe	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
190	2005	Chevrolet	Tahoe	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
191	2005	Chevrolet	Tahoe	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
192	2005	Chevrolet	Tahoe	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
193	2005	Chevrolet	Tahoe	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
194	2005	Chevrolet	Venture	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
195	2005	Chevrolet	Venture	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
196	2005	Chevrolet	Venture	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
197	2006	Chevrolet	Express 3500	4.8	6GMXH04.8581	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
198	2006	Chevrolet	Express 3500	4.8	6GMXH04.8591	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
199	2006	Chevrolet	Express 3500	4.8	6GMXH04.8591	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
200	2006	Chevrolet	Express 3500	4.8	6GMXH04.8581	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
201	2006	Chevrolet	Express 3500	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
202	2006	Chevrolet	Express 3500	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
203	2006	Chevrolet	Express 3500	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
204	2006	Chevrolet	Express 3500	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
205	2006	Chevrolet	Silverado 1500 HD	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
206	2006	Chevrolet	Silverado 1500 HD	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
207	2006	Chevrolet	Silverado 1500 HD	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
208	2006	Chevrolet	Silverado 1500 HD	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
209	2006	Chevrolet	Silverado 2500 HD	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
210	2006	Chevrolet	Silverado 2500 HD	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
211	2006	Chevrolet	Silverado 2500 HD	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
212	2006	Chevrolet	Silverado 2500 HD	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
213	2006	Chevrolet	Silverado 3500	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
214	2006	Chevrolet	Silverado 3500	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
215	2006	Chevrolet	Silverado 3500	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
216	2006	Chevrolet	Silverado 3500	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
217	2001	Chrysler	Voyager	2.4	1CRXT0148240	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
218	2001	Chrysler	Voyager	2.4	1CRXT0148240	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
219	2001	Chrysler	Voyager	2.4	1CRXT0148240	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
220	2004	Chrysler	Pacifica	3.5	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455018	ALL
221	2004	Chrysler	Pacifica	3.5	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
222	2004	Chrysler	Pacifica	3.5	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
223	2004	Chrysler	Pacifica	3.5	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
224	2004	Chrysler	Town & Country	3.8	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455040	ALL
225	2004	Chrysler	Town & Country	3.8	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
226	2004	Chrysler	Town & Country	3.8	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
227	2004	Chrysler	Town & Country	3.8	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
228	2005	Chrysler	Pacifica	3.5	5CRXT03.52N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455018	ALL
229	2005	Chrysler	Pacifica	3.5	5CRXT03.52N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
230	2005	Chrysler	Pacifica	3.5	5CRXT03.52N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
231	2005	Chrysler	Pacifica	3.5	5CRXT03.52N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
232	2005	Chrysler	Town & Country	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455030	ALL
233	2005	Chrysler	Town & Country	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
234	2005	Chrysler	Town & Country	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
235	2005	Chrysler	Town & Country	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
236	2005	Chrysler	Town & Country	3.8	5CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455030	ALL
237	2005	Chrysler	Town & Country	3.8	5CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
238	2005	Chrysler	Town & Country	3.8	5CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
239	2005	Chrysler	Town & Country	3.8	5CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
240	2006	Chrysler	Pacifica	3.5	6CRXT03.52N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455018	ALL
241	2006	Chrysler	Pacifica	3.5	6CRXT03.52N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
242	2006	Chrysler	Pacifica	3.5	6CRXT03.52N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
243	2006	Chrysler	Pacifica	3.5	6CRXT03.52N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
244	2001	Dodge	Caravan	2.4	1CRXT0148240	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455042	ALL
245	2001	Dodge	Caravan	2.4	1CRXT0148240	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
246	2001	Dodge	Caravan	2.4	1CRXT0148240	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
247	2001	Dodge	Caravan	2.4	1CRXT0148240	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
248	2004	Dodge	Caravan	2.4	4CRXT02.42N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455042	ALL
249	2004	Dodge	Caravan	2.4	4CRXT02.42N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
250	2004	Dodge	Caravan	2.4	4CRXT02.42N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
251	2004	Dodge	Caravan	2.4	4CRXT02.42N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
252	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455026	2WD

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
253	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455027	4WD
254	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	4WD
255	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	2WD
256	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	2WD
257	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	4WD
258	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	4WD
259	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	2WD
260	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	2WD
261	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	4WD
262	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	2WD
263	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	4WD
264	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	4WD
265	2004	Dodge	Dakota	3.7	4CRXT03.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	2WD
266	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455026	2WD
267	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455027	4WD
268	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	4WD
269	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	2WD
270	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	4WD
271	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	2WD
272	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	2WD
273	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	4WD
274	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	4WD
275	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	2WD
276	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	4WD
277	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	2WD
278	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	4WD
279	2004	Dodge	Dakota	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	2WD
280	2004	Dodge	Grand Caravan	3.8	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
281	2004	Dodge	Grand Caravan	3.8	4CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
282	2005	Dodge	Caravan	2.4	5CRXT02.42N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455333	ALL
283	2005	Dodge	Caravan	2.4	5CRXT02.42N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455334	ALL
284	2005	Dodge	Caravan	2.4	5CRXT02.42N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455335	ALL
285	2005	Dodge	Caravan	2.4	5CRXT02.42N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455336	ALL
286	2005	Dodge	Caravan	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455030	ALL
287	2005	Dodge	Caravan	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
288	2005	Dodge	Caravan	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
289	2005	Dodge	Caravan	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
290	2005	Dodge	Durango	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455029	ALL
291	2005	Dodge	Durango	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
292	2005	Dodge	Durango	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
293	2005	Dodge	Durango	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
294	2005	Dodge	Durango	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
295	2005	Dodge	Durango	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
296	2005	Dodge	Durango	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
297	2005	Dodge	Grand Caravan	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
298	2005	Dodge	Grand Caravan	3.3	5CRXT03.32NP	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
299	2005	Dodge	Grand Caravan	3.8	5CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
300	2005	Dodge	Grand Caravan	3.8	5CRXT03.82N0	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
301	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455023	ALL
302	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455333	ALL
303	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455334	ALL
304	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455335	ALL
305	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455336	ALL
306	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	DIRECT FIT	455024	ALL
307	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455333	ALL
308	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455334	ALL
309	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455335	ALL
310	2005	Dodge	Ram 1500	3.7	5CRXT03.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455336	ALL
311	2005	Dodge	Ram 1500	4.7	5CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
312	2005	Dodge	Ram 1500	4.7	5CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
313	2005	Dodge	Ram 1500	4.7	5CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
314	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455023	4WD
315	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455333	ALL
316	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455334	ALL
317	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455335	ALL
318	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455336	ALL
319	2005	Dodge	Ram 1500	4.7	5CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
320	2005	Dodge	Ram 1500	4.7	5CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
321	2005	Dodge	Ram 1500	4.7	5CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
322	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	DIRECT FIT	455024	4WD
323	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455333	ALL
324	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455334	ALL
325	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455335	ALL
326	2005	Dodge	Ram 1500	4.7	5CRXT04.72U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455336	ALL
327	2006	Dodge	Durango	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455029	ALL
328	2006	Dodge	Durango	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
329	2006	Dodge	Durango	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
330	2006	Dodge	Durango	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
331	2006	Dodge	Durango	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
332	2006	Dodge	Durango	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
333	2006	Dodge	Durango	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
334	2006	Dodge	Ram 1500	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455034	ALL
335	2006	Dodge	Ram 1500	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455035	ALL
336	2006	Dodge	Ram 1500	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455036	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
337	2006	Dodge	Ram 1500	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455034	ALL
338	2006	Dodge	Ram 1500	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455035	ALL
339	2006	Dodge	Ram 1500	4.7	6CRXT04.76U0	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455036	ALL
340	1999	Ford	Windstar	3.8	XFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455011	ALL
341	1999	Ford	Windstar	3.8	XFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
342	1999	Ford	Windstar	3.8	XFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
343	1999	Ford	Windstar	3.8	XFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
344	1999	Ford	Windstar	3.8	XFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
345	1999	Ford	Windstar	3.8	XFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
346	1999	Ford	Windstar	3.8	XFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
347	2000	Ford	Windstar	3.8	YFMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455011	ALL
348	2000	Ford	Windstar	3.8	YFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455011	ALL
349	2000	Ford	Windstar	3.8	YFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
350	2000	Ford	Windstar	3.8	YFMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
351	2000	Ford	Windstar	3.8	YFMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
352	2000	Ford	Windstar	3.8	YFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
353	2000	Ford	Windstar	3.8	YFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
354	2000	Ford	Windstar	3.8	YFMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
355	2000	Ford	Windstar	3.8	YFMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
356	2000	Ford	Windstar	3.8	YFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
357	2000	Ford	Windstar	3.8	YFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
358	2000	Ford	Windstar	3.8	YFMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
359	2000	Ford	Windstar	3.8	YFMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
360	2000	Ford	Windstar	3.8	YFMXT03.82JC	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
361	2001	Ford	Windstar	3.8	1FMXT03.82J6	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455025	ALL
362	2001	Ford	Windstar	3.8	1FMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455025	ALL
363	2001	Ford	Windstar	3.8	1FMXT03.82J6	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
364	2001	Ford	Windstar	3.8	1FMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
365	2001	Ford	Windstar	3.8	1FMXT03.82J6	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
366	2001	Ford	Windstar	3.8	1FMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
367	2001	Ford	Windstar	3.8	1FMXT03.82J6	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
368	2001	Ford	Windstar	3.8	1FMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
369	2001	Ford	Windstar	3.8	1FMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
370	2001	Ford	Windstar	3.8	1FMXT03.82J6	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
371	2001	Ford	Windstar	3.8	1FMXT03.82J6	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
372	2001	Ford	Windstar	3.8	1FMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
373	2001	Ford	Windstar	3.8	1FMXT03.82J6	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
374	2001	Ford	Windstar	3.8	1FMXT03.82J5	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
375	2002	Ford	Windstar	3.8	2FMXT03.82J7	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455025	ALL
376	2002	Ford	Windstar	3.8	2FMXT03.82J7	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
377	2002	Ford	Windstar	3.8	2FMXT03.82J7	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
378	2002	Ford	Windstar	3.8	2FMXT03.82J7	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
379	2002	Ford	Windstar	3.8	2FMXT03.82J7	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
380	2002	Ford	Windstar	3.8	2FMXT03.82J7	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
381	2002	Ford	Windstar	3.8	2FMXT03.82J7	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
382	2003	Ford	Windstar	3.8	3FMXT03.82HA	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455025	ALL
383	2003	Ford	Windstar	3.8	3FMXT03.82H7	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455025	ALL
384	2003	Ford	Windstar	3.8	3FMXT03.82H7	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
385	2003	Ford	Windstar	3.8	3FMXT03.82HA	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
386	2003	Ford	Windstar	3.8	3FMXT03.82H7	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
387	2003	Ford	Windstar	3.8	3FMXT03.82HA	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
388	2003	Ford	Windstar	3.8	3FMXT03.82HA	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
389	2003	Ford	Windstar	3.8	3FMXT03.82H7	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
390	2003	Ford	Windstar	3.8	3FMXT03.82H7	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
391	2003	Ford	Windstar	3.8	3FMXT03.82HA	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
392	2003	Ford	Windstar	3.8	3FMXT03.82HA	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
393	2003	Ford	Windstar	3.8	3FMXT03.82H7	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
394	2003	Ford	Windstar	3.8	3FMXT03.82H7	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
395	2003	Ford	Windstar	3.8	3FMXT03.82HA	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
396	2004	Ford	Explorer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455013	ALL
397	2004	Ford	Explorer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455013	ALL
398	2004	Ford	Explorer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
399	2004	Ford	Explorer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
400	2004	Ford	Explorer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
401	2004	Ford	Explorer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
402	2004	Ford	Explorer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
403	2004	Ford	Explorer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
404	2004	Ford	Explorer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
405	2004	Ford	Explorer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
406	2004	Ford	Explorer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
407	2004	Ford	Explorer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
408	2004	Ford	Explorer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
409	2004	Ford	Explorer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
410	2004	Ford	Freestar	3.9	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455010	ALL
411	2004	Ford	Freestar	3.9	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455334	ALL
412	2004	Ford	Freestar	3.9	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455334	ALL
413	2004	Ford	Freestar	4.2	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455010	ALL
414	2004	Ford	Freestar	4.2	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455334	ALL
415	2004	Ford	Freestar	4.2	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455334	ALL
416	2005	Ford	Explorer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455013	ALL
417	2005	Ford	Explorer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455013	ALL
418	2005	Ford	Explorer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
419	2005	Ford	Explorer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
420	2005	Ford	Explorer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
421	2005	Ford	Explorer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
422	2005	Ford	Explorer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
423	2005	Ford	Explorer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
424	2005	Ford	Explorer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
425	2005	Ford	Explorer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
426	2005	Ford	Explorer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
427	2005	Ford	Explorer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
428	2005	Ford	Explorer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
429	2005	Ford	Explorer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
430	2005	Ford	F-150	4.6	5FMXT04.6RMC	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455014	2WD
431	2005	Ford	F-150	4.6	5FMXT04.6RMC	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
432	2005	Ford	F-150	4.6	5FMXT04.6RMC	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
433	2005	Ford	F-150	4.6	5FMXT04.6RMC	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
434	2005	Ford	F-150	4.6	5FMXT04.6RMC	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	DIRECT FIT	455015	2WD
435	2005	Ford	F-150	4.6	5FMXT04.6RMC	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL
436	2005	Ford	F-150	4.6	5FMXT04.6RMC	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
437	2005	Ford	F-150	4.6	5FMXT04.6RMC	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
438	2005	Ford	Freestar	3.9	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455010	ALL
439	2005	Ford	Freestar	3.9	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455334	ALL
440	2005	Ford	Freestar	3.9	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455334	ALL
441	2005	Ford	Freestar	4.2	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455010	ALL
442	2005	Ford	Freestar	4.2	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455334	ALL
443	2005	Ford	Freestar	4.2	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455334	ALL
444	2003	GMC	Savana 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
445	2003	GMC	Savana 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
446	2003	GMC	Savana 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
447	2003	GMC	Savana 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
448	2003	GMC	Savana 2500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
449	2003	GMC	Savana 2500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
450	2003	GMC	Savana 2500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
451	2003	GMC	Savana 2500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
452	2003	GMC	Savana 3500	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
453	2003	GMC	Savana 3500	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
454	2003	GMC	Sierra 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
455	2003	GMC	Sierra 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
456	2003	GMC	Sierra 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
457	2003	GMC	Sierra 1500	4.3	3BYTT04.3214	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
458	2003	GMC	Sierra 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
459	2003	GMC	Sierra 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
460	2003	GMC	Sierra 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
461	2003	GMC	Sierra 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
462	2003	GMC	Sierra 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
463	2003	GMC	Sierra 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
464	2003	GMC	Sierra 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
465	2003	GMC	Sierra 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
466	2003	GMC	Sierra 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
467	2003	GMC	Sierra 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
468	2003	GMC	Sierra 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
469	2003	GMC	Sierra 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
470	2003	GMC	Sierra 1500	5.3	3GMXT05.3176	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
471	2003	GMC	Sierra 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
472	2003	GMC	Sierra 2500 HD	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
473	2003	GMC	Sierra 2500 HD	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
474	2003	GMC	Sierra 3500	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
475	2003	GMC	Sierra 3500	6	3BYTT06.0213	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
476	2003	GMC	Yukon XL 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
477	2003	GMC	Yukon XL 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
478	2003	GMC	Yukon XL 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
479	2003	GMC	Yukon XL 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
480	2003	GMC	Yukon XL 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
481	2003	GMC	Yukon XL 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
482	2003	GMC	Yukon XL 1500	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
483	2003	GMC	Yukon	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
484	2003	GMC	Yukon	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
485	2003	GMC	Yukon	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
486	2003	GMC	Yukon	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
487	2003	GMC	Yukon	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
488	2003	GMC	Yukon	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
489	2003	GMC	Yukon	5.3	3GMXT05.3185	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
490	2004	GMC	Savana 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455031	ALL
491	2004	GMC	Savana 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
492	2004	GMC	Savana 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
493	2004	GMC	Savana 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
494	2004	GMC	Savana 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
495	2004	GMC	Savana 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
496	2004	GMC	Savana 1500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
497	2004	GMC	Savana 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455031	ALL
498	2004	GMC	Savana 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
499	2004	GMC	Savana 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
500	2004	GMC	Savana 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
501	2004	GMC	Savana 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
502	2004	GMC	Savana 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
503	2004	GMC	Savana 2500	5.3	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
504	2004	GMC	Sierra 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
505	2004	GMC	Sierra 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
506	2004	GMC	Sierra 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
507	2004	GMC	Sierra 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
508	2004	GMC	Sierra 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
509	2004	GMC	Sierra 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
510	2004	GMC	Sierra 1500	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
511	2004	GMC	Yukon	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
512	2004	GMC	Yukon	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
513	2004	GMC	Yukon	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
514	2004	GMC	Yukon	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
515	2004	GMC	Yukon	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
516	2004	GMC	Yukon	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
517	2004	GMC	Yukon	4.8	4GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
518	2005	GMC	Savana 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455031	ALL
519	2005	GMC	Savana 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
520	2005	GMC	Savana 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
521	2005	GMC	Savana 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
522	2005	GMC	Savana 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
523	2005	GMC	Savana 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
524	2005	GMC	Savana 1500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
525	2005	GMC	Savana 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455031	ALL
526	2005	GMC	Savana 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
527	2005	GMC	Savana 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
528	2005	GMC	Savana 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
529	2005	GMC	Savana 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
530	2005	GMC	Savana 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
531	2005	GMC	Savana 2500	5.3	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
532	2005	GMC	Sierra 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
533	2005	GMC	Sierra 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
534	2005	GMC	Sierra 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
535	2005	GMC	Sierra 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
536	2005	GMC	Sierra 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
537	2005	GMC	Sierra 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
538	2005	GMC	Sierra 1500	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
539	2005	GMC	Sierra 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
540	2005	GMC	Sierra 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
541	2005	GMC	Sierra 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
542	2005	GMC	Sierra 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
543	2005	GMC	Sierra 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
544	2005	GMC	Sierra 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
545	2005	GMC	Sierra 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
546	2005	GMC	Yukon XL 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
547	2005	GMC	Yukon XL 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
548	2005	GMC	Yukon XL 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
549	2005	GMC	Yukon XL 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
550	2005	GMC	Yukon XL 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
551	2005	GMC	Yukon XL 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
552	2005	GMC	Yukon XL 1500	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
553	2005	GMC	Yukon	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
554	2005	GMC	Yukon	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
555	2005	GMC	Yukon	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
556	2005	GMC	Yukon	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
557	2005	GMC	Yukon	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
558	2005	GMC	Yukon	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
559	2005	GMC	Yukon	4.8	5GMXT05.3174	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
560	2005	GMC	Yukon	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	U	DIRECT FIT	455032	ALL
561	2005	GMC	Yukon	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
562	2005	GMC	Yukon	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
563	2005	GMC	Yukon	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
564	2005	GMC	Yukon	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
565	2005	GMC	Yukon	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
566	2005	GMC	Yukon	5.3	5GMXT05.3175	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
567	2006	GMC	Savana 3500	4.8	6GMXH04.8591	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
568	2006	GMC	Savana 3500	4.8	6GMXH04.8581	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
569	2006	GMC	Savana 3500	4.8	6GMXH04.8581	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
570	2006	GMC	Savana 3500	4.8	6GMXH04.8591	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
571	2006	GMC	Sierra 1500 HD	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
572	2006	GMC	Sierra 1500 HD	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
573	2006	GMC	Sierra 1500 HD	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
574	2006	GMC	Sierra 1500 HD	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
575	2006	GMC	Sierra 2500 HD	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
576	2006	GMC	Sierra 2500 HD	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
577	2006	GMC	Sierra 2500 HD	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
578	2006	GMC	Sierra 2500 HD	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
579	2006	GMC	Sierra 3500	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
580	2006	GMC	Sierra 3500	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455009	ALL
581	2006	GMC	Sierra 3500	6	6GMXH06.0593	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
582	2006	GMC	Sierra 3500	6	6GMXH06.0583	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455009	ALL
583	2003	Honda	Pilot	3.5	3HNXT03.5EA5	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455020	ALL
584	2003	Honda	Pilot	3.5	3HNXT03.5EA5	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
585	2003	Honda	Pilot	3.5	3HNXT03.5EA5	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
586	2003	Honda	Pilot	3.5	3HNXT03.5EA5	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
587	2004	Honda	Odyssey	3.5	4HNXT03.51AT	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
588	2004	Honda	Odyssey	3.5	4HNXT03.51AT	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
589	2004	Honda	Pilot	3.5	4HNXT03.5EA6	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455020	ALL
590	2004	Honda	Pilot	3.5	4HNXT03.5DAT	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455020	ALL
591	2004	Honda	Pilot	3.5	4HNXT03.5DAT	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
592	2004	Honda	Pilot	3.5	4HNXT03.5EA6	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
593	2004	Honda	Pilot	3.5	4HNXT03.5EA6	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
594	2004	Honda	Pilot	3.5	4HNXT03.5DAT	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
595	2004	Honda	Pilot	3.5	4HNXT03.5EA6	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
596	2004	Honda	Pilot	3.5	4HNXT03.5DAT	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
597	2004	Isuzu	Rodeo	3.2	4SZXT03.22RK	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
598	2004	Isuzu	Rodeo	3.2	4SZXT03.22RK	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
599	2004	Isuzu	Rodeo	3.2	4SZXT03.22RK	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
600	2004	Isuzu	Rodeo	3.2	4SZXT03.22RK	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
601	2004	Isuzu	Rodeo	3.2	4SZXT03.22RK	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
602	2004	Isuzu	Rodeo	3.2	4SZXT03.22RK	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
603	2004	Jeep	Grand Cherokee	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
604	2004	Jeep	Grand Cherokee	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
605	2004	Jeep	Grand Cherokee	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
606	2004	Jeep	Grand Cherokee	4.7	4CRXT04.72N0	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
607	2004	Jeep	Liberty	2.4	4CRXT02.42N1	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455004	ALL
608	2004	Jeep	Liberty	2.4	4CRXT02.42N1	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455005	ALL
609	2004	Jeep	Liberty	2.4	4CRXT02.42N1	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455006	ALL
610	2004	Jeep	Liberty	3.7	4CRXT03.72N1	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	DIRECT FIT	455021	ALL
611	2004	Jeep	Liberty	3.7	4CRXT03.72N1	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
612	2004	Jeep	Liberty	3.7	4CRXT03.72N1	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
613	2004	Jeep	Liberty	3.7	4CRXT03.72N1	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
614	2004	Jeep	Liberty	3.7	4CRXT03.72N1	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	DIRECT FIT	455022	ALL
615	2004	Jeep	Liberty	3.7	4CRXT03.72N1	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
616	2004	Jeep	Liberty	3.7	4CRXT03.72N1	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
617	2004	Jeep	Liberty	3.7	4CRXT03.72N1	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
618	2003	Land Rover	Discovery	4.6	3LRXT04.6001	LEV1 ULEV	MDV2	D	2TWC	2	2	U	DIRECT FIT	455028	ALL
619	2003	Land Rover	Discovery	4.6	3LRXT04.6001	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
620	2003	Land Rover	Discovery	4.6	3LRXT04.6001	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
621	2003	Land Rover	Discovery	4.6	3LRXT04.6001	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455006	ALL
622	2003	Land Rover	Discovery	4.6	3LRXT04.6001	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
623	2003	Land Rover	Discovery	4.6	3LRXT04.6001	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
624	2003	Land Rover	Discovery	4.6	3LRXT04.6001	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455006	ALL
625	2006	Lincoln	Navigator	5.4	6FMXT05.45PB	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	DIRECT FIT	455017	ALL
626	2006	Lincoln	Navigator	5.4	6FMXT05.45PB	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455354	ALL
627	2006	Lincoln	Navigator	5.4	6FMXT05.45PB	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455355	ALL
628	2006	Lincoln	Navigator	5.4	6FMXT05.45PB	LEV1 ULEV	MDV4	D	2TWC	2	2	UL	UNIVERSAL	455356	ALL
629	2006	Lincoln	Navigator	5.4	6FMXT05.45PB	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	DIRECT FIT	455016	ALL
630	2006	Lincoln	Navigator	5.4	6FMXT05.45PB	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455354	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

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
631	2006	Lincoln	Navigator	5.4	6FMXT05.45PB	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455355	ALL
632	2006	Lincoln	Navigator	5.4	6FMXT05.45PB	LEV1 ULEV	MDV4	D	2TWC	2	2	UR	UNIVERSAL	455356	ALL
633	2004	Mercury	Monterey	4.2	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455010	ALL
634	2004	Mercury	Monterey	4.2	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455334	ALL
635	2004	Mercury	Monterey	4.2	4FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455334	ALL
636	2004	Mercury	Mountaineer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455013	ALL
637	2004	Mercury	Mountaineer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455013	ALL
638	2004	Mercury	Mountaineer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
639	2004	Mercury	Mountaineer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
640	2004	Mercury	Mountaineer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
641	2004	Mercury	Mountaineer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
642	2004	Mercury	Mountaineer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
643	2004	Mercury	Mountaineer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
644	2004	Mercury	Mountaineer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
645	2004	Mercury	Mountaineer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
646	2004	Mercury	Mountaineer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
647	2004	Mercury	Mountaineer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
648	2004	Mercury	Mountaineer	4	4FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
649	2004	Mercury	Mountaineer	4	4FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
650	2005	Mercury	Monterey	4.2	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455010	ALL
651	2005	Mercury	Monterey	4.2	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455334	ALL
652	2005	Mercury	Monterey	4.2	5FMXT04.22HB	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455334	ALL
653	2005	Mercury	Mountaineer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455013	ALL
654	2005	Mercury	Mountaineer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	U	DIRECT FIT	455013	ALL
655	2005	Mercury	Mountaineer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
656	2005	Mercury	Mountaineer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455304	ALL
657	2005	Mercury	Mountaineer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
658	2005	Mercury	Mountaineer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455305	ALL
659	2005	Mercury	Mountaineer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
660	2005	Mercury	Mountaineer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UL	UNIVERSAL	455306	ALL
661	2005	Mercury	Mountaineer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
662	2005	Mercury	Mountaineer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455304	ALL
663	2005	Mercury	Mountaineer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
664	2005	Mercury	Mountaineer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455305	ALL
665	2005	Mercury	Mountaineer	4	5FMXT04.02L2	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
666	2005	Mercury	Mountaineer	4	5FMXT04.02K8	LEV1 ULEV	LDT2	D	2TWC	2	2	UR	UNIVERSAL	455306	ALL
667	2005	Mitsubishi	Outlander	2.4	5MTXT02.4GBG	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455043	ALL
668	2005	Mitsubishi	Outlander	2.4	5MTXT02.4GBG	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
669	2005	Mitsubishi	Outlander	2.4	5MTXT02.4GBG	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
670	2005	Mitsubishi	Outlander	2.4	5MTXT02.4GBG	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
671	2006	Mitsubishi	Outlander	2.4	6MTXT02.4GBG	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455043	ALL
672	2006	Mitsubishi	Outlander	2.4	6MTXT02.4GBG	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

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
673	2006	Mitsubishi	Outlander	2.4	6MTXT02.4GBG	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
674	2006	Mitsubishi	Outlander	2.4	6MTXT02.4GBG	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
675	2001	Oldsmobile	Silhouette	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455019	ALL
676	2001	Oldsmobile	Silhouette	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
677	2001	Oldsmobile	Silhouette	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
678	2001	Oldsmobile	Silhouette	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
679	2002	Oldsmobile	Silhouette	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455041	FWD
680	2002	Oldsmobile	Silhouette	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
681	2002	Oldsmobile	Silhouette	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
682	2002	Oldsmobile	Silhouette	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
683	2004	Oldsmobile	Silhouette	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
684	2004	Oldsmobile	Silhouette	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
685	2004	Oldsmobile	Silhouette	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
686	2001	Pontiac	Aztek	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455041	4WD
687	2001	Pontiac	Aztek	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
688	2001	Pontiac	Aztek	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
689	2001	Pontiac	Aztek	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
690	2001	Pontiac	Montana	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
691	2001	Pontiac	Montana	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
692	2001	Pontiac	Montana	3.4	1GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
693	2002	Pontiac	Aztek	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455041	FWD
694	2002	Pontiac	Aztek	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	FWD
695	2002	Pontiac	Aztek	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	FWD
696	2002	Pontiac	Aztek	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	FWD
697	2002	Pontiac	Montana	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455041	FWD
698	2002	Pontiac	Montana	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
699	2002	Pontiac	Montana	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
700	2002	Pontiac	Montana	3.4	2GMXT03.4142	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
701	2004	Pontiac	Aztek	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455038	FWD
702	2004	Pontiac	Aztek	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
703	2004	Pontiac	Aztek	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
704	2004	Pontiac	Aztek	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
705	2004	Pontiac	Montana	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
706	2004	Pontiac	Montana	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
707	2004	Pontiac	Montana	3.4	4GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
708	2005	Pontiac	Aztek	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	DIRECT FIT	455038	FWD
709	2005	Pontiac	Aztek	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
710	2005	Pontiac	Aztek	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
711	2005	Pontiac	Aztek	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL
712	2005	Pontiac	Montana	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455304	ALL
713	2005	Pontiac	Montana	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455305	ALL
714	2005	Pontiac	Montana	3.4	5GMXT03.6143	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455306	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

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
715	2001	Toyota	Sequoia	4.7	1TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
716	2001	Toyota	Sequoia	4.7	1TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
717	2001	Toyota	Sequoia	4.7	1TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455060	ALL
718	2001	Toyota	Sequoia	4.7	1TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
719	2001	Toyota	Sequoia	4.7	1TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
720	2001	Toyota	Sequoia	4.7	1TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	DIRECT FIT	455061	ALL
721	2002	Toyota	Sequoia	4.7	2TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
722	2002	Toyota	Sequoia	4.7	2TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
723	2002	Toyota	Sequoia	4.7	2TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455060	ALL
724	2002	Toyota	Sequoia	4.7	2TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
725	2002	Toyota	Sequoia	4.7	2TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
726	2002	Toyota	Sequoia	4.7	2TYXT04.7JBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	DIRECT FIT	455061	ALL
727	2003	Toyota	Sequoia	4.7	3TYXT04.7HBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
728	2003	Toyota	Sequoia	4.7	3TYXT04.7HBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
729	2003	Toyota	Sequoia	4.7	3TYXT04.7HBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455060	ALL
730	2003	Toyota	Sequoia	4.7	3TYXT04.7HBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
731	2003	Toyota	Sequoia	4.7	3TYXT04.7HBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
732	2003	Toyota	Sequoia	4.7	3TYXT04.7HBW	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	DIRECT FIT	455061	ALL
733	2003	Toyota	Tundra	4.7	3TYXT04.7HBY	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
734	2003	Toyota	Tundra	4.7	3TYXT04.7HBY	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
735	2003	Toyota	Tundra	4.7	3TYXT04.7HBY	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	DIRECT FIT	455118	2WD
736	2003	Toyota	Tundra	4.7	3TYXT04.7HBY	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	DIRECT FIT	455404	4WD
737	2003	Toyota	Tundra	4.7	3TYXT04.7HBY	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
738	2003	Toyota	Tundra	4.7	3TYXT04.7HBY	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
739	2003	Toyota	Tundra	4.7	3TYXT04.7HBY	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	DIRECT FIT	455406	ALL
740	2004	Toyota	Sequoia	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
741	2004	Toyota	Sequoia	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
742	2004	Toyota	Sequoia	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455060	ALL
743	2004	Toyota	Sequoia	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
744	2004	Toyota	Sequoia	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
745	2004	Toyota	Sequoia	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	DIRECT FIT	455061	ALL
746	2004	Toyota	Tundra	4.7	4TYXT04.7W1Y	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
747	2004	Toyota	Tundra	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455004	ALL
748	2004	Toyota	Tundra	4.7	4TYXT04.7W1Y	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
749	2004	Toyota	Tundra	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	UNIVERSAL	455005	ALL
750	2004	Toyota	Tundra	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455118	2WD
751	2004	Toyota	Tundra	4.7	4TYXT04.7W1Y	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	DIRECT FIT	455118	2WD
752	2004	Toyota	Tundra	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UL	DIRECT FIT	455404	4WD
753	2004	Toyota	Tundra	4.7	4TYXT04.7W1Y	LEV1 ULEV	MDV2	D	2TWC	2	2	UL	DIRECT FIT	455404	4WD
754	2004	Toyota	Tundra	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
755	2004	Toyota	Tundra	4.7	4TYXT04.7W1Y	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455004	ALL
756	2004	Toyota	Tundra	4.7	4TYXT04.7W1Y	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL

**Appendix D-193-115**  
**Car Sound Exhaust Systems, Inc. 455000**

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
757	2004	Toyota	Tundra	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	UNIVERSAL	455005	ALL
758	2004	Toyota	Tundra	4.7	4TYXT04.7W1W	LEV1 ULEV	MDV3	D	2TWC	2	2	UR	DIRECT FIT	455406	ALL
759	2004	Toyota	Tundra	4.7	4TYXT04.7W1Y	LEV1 ULEV	MDV2	D	2TWC	2	2	UR	DIRECT FIT	455406	ALL
760	2003	Volvo	XC90	2.9	3VVXT2.92U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
761	2003	Volvo	XC90	2.9	3VVXT2.92U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
762	2003	Volvo	XC90	2.9	3VVXT2.92U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
763	2004	Volvo	XC90	2.9	4VVXT2.92U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
764	2004	Volvo	XC90	2.9	4VVXT2.92U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
765	2004	Volvo	XC90	2.9	4VVXT2.92U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL
766	2005	Volvo	XC90	2.9	5VVXT02.9U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455354	ALL
767	2005	Volvo	XC90	2.9	5VVXT02.9U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455355	ALL
768	2005	Volvo	XC90	2.9	5VVXT02.9U1T	LEV1 ULEV	LDT2	S	TWC	1	1	U	UNIVERSAL	455356	ALL