

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-98  
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 1996 through 2005 model-year Ford light-duty trucks 2 (LDT2) and medium-duty vehicles (MDV) equipped with on-board diagnostic II (OBD II) systems as specified in Appendix D-193-98 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: (1) oval [3.15x4.75x3]; (2) oval [3.15x4.75x2]; (3) large oval [3.2x5.7x3]; (4) large oval [3.2x5.7x2]; (5) round [3.66x4]; or (6) 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 2001 model-year 5.4 liter Ford F-150 pickup truck (LEV MDV, 1FMXT05.4PF5) and a 2000 model-year 5.0 liter Ford Explorer (LEV LDT2, YFMXT05.02F5) with series 447100 and 447200 TWCs showed that the vehicles 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>
MDV 120K LEV standards	0.230	6.4	0.6
2001 F-150 pickup truck test 1	0.138	1.7	0.18
2001 F-150 pickup truck test 2	0.129	1.7	0.19

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
LDT2 100K LEV standards	0.130	5.5	0.5
2000 Explorer test 1	0.098	1.6	0.08
2000 Explorer test 2	0.111	2.1	0.08

WHEREAS, Car Sound Exhaust Systems, Inc. conducted proper malfunction indicator light illumination demonstration with series 447100 and 447200 TWCs on the same 2001 model-year 5.4 liter Ford F-150 pickup truck and 2000 5.0 liter Ford Explorer 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-193-98 subject to the following conditions:

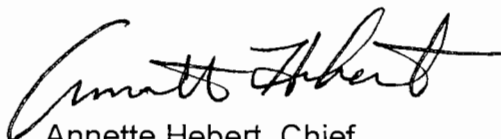
1. No changes are permitted to the catalytic converters as described in the application for exemption. Any changes to the catalytic converters or any of their components and other factors addressed in this Executive Order must be evaluated and approved by the Air Resources Board prior to marketing in California.
2. Marketing of the catalytic converters using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converters for applications other than the ones shown in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of these products shall not be construed as an exemption to sell, offer for sale, or advertise any components of the catalytic converters as individual devices.
3. Any oral or written references to this Executive Order or its content by Car Sound Exhaust Systems, Inc., its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any emission reduction claims for the catalytic converters and is only a finding that the catalytic converters are exempt from the prohibitions in Vehicle Code Sections 27156 and 38391.
4. Car Sound Exhaust Systems, Inc.'s installation instructions for the new catalytic converters must conform to requirements in Section (h) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," adopted on October 25, 2007.
5. Installation of the catalytic converters shall not cause the relocation of any oxygen sensors. Oxygen sensors must be installed in the same location, position and orientation as prescribed in the original equipment manufacturer's configurations.
6. Upon installation, the catalytic converters must carry a manufacturer's warranty for five (5) years or 50,000 miles as prescribed in Section (f)(2) of the "California

Evaluation Procedures for New Aftermarket Catalytic Converters,” adopted on October 25, 2007.

7. Car Sound Exhaust Systems, Inc. and its vendors may not advertise the new aftermarket catalytic converters as “high flow” or “easy flow” catalytic converters or use any phrase that could make them appear to perform better than the original equipment manufacturer catalytic converters.
8. Any marketing arrangement of the new aftermarket catalytic converters by a third party, which involves the use of packaging identification different from the ones described in this Executive Order, must be approved by the Air Resources Board prior to shipment.
9. Car Sound Exhaust Systems, Inc., its associates, vendors, other businesses and individuals associated with Car Sound Exhaust Systems, Inc. may not sell or supply new aftermarket catalytic converter substrates to a third party to be assembled in a different facility and marketed under this Executive Order without approval from the Air Resources Board.
10. Car Sound Exhaust Systems, Inc. shall comply with the quality control procedures and reporting requirements in Section (f)(5) of the “California Evaluation Procedures for New Aftermarket Catalytic Converters,” adopted on October 25, 2007.
11. Quality control reports must be submitted on a quarterly basis and warranty information reports on a semi-annual basis.
12. Car Sound Exhaust Systems, Inc. must provide a permanent label or stamp as specified under Section (f)(1) of the “California Evaluation Procedures for New Aftermarket Catalytic Converters,” adopted on October 25, 2007.
13. Car Sound Exhaust Systems, Inc.’s vehicle application catalog must conform to the requirements specified under Section (f)(4) of the “California Evaluation Procedures for New Aftermarket Catalytic Converters,” adopted on October 25, 2007.

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

Executed at El Monte, California, this 11 day of January 2012.



Annette Hebert, Chief  
Mobile Source Operations Division

**Appendix D-193-98**  
**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	1996	Ford	Explorer	5	TFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
2	1996	Ford	Explorer	5	TFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
3	1996	Ford	Explorer	5	TFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
4	1996	Ford	Explorer	5	TFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
5	1996	Ford	Explorer	5	TFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447101	ALL
6	1996	Ford	Explorer	5	TFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
7	1996	Ford	Explorer	5	TFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
8	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
9	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
10	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
11	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
12	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
13	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
14	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
15	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
16	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
17	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
18	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
19	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
20	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
21	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	DIRECT FIT	447110	ALL
22	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
23	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
24	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
25	1997	Ford	50 Econoline Club Wa	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447183	ALL
26	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
27	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
28	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
29	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
30	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
31	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
32	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
33	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
34	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
35	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
36	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
37	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
38	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
39	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	DIRECT FIT	447110	ALL
40	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
41	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL

**Appendix D-193-98**  
**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	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
43	1997	Ford	E-150 Econoline	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447183	ALL
44	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
45	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
46	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
47	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
48	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
49	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
50	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
51	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
52	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
53	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
54	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447149	4WD
55	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
56	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447150	4WD
57	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
58	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
59	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
60	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
61	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
62	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
63	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
64	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
65	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
66	1997	Ford	Explorer	5	VFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
67	1997	Ford	Explorer	5	VFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
68	1997	Ford	Explorer	5	VFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
69	1997	Ford	Explorer	5	VFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
70	1997	Ford	Explorer	5	VFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447101	ALL
71	1997	Ford	Explorer	5	VFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
72	1997	Ford	Explorer	5	VFM5.028GFEK	TIER1	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
73	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
74	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
75	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
76	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
77	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447131	2WD
78	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447139	4WD
79	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447132	2WD
80	1997	Ford	F-150	4.2	VFM4.228G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447140	4WD
81	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
82	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD

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**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	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
84	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
85	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
86	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
87	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
88	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
89	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
90	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
91	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
92	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
93	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
94	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
95	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
96	1997	Ford	F-150	4.6	VFM4.628G1EK	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
97	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
98	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
99	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
100	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
101	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447127	4WD
102	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
103	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447128	4WD
104	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
105	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
106	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
107	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
108	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
109	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
110	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
111	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
112	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
113	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
114	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
115	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
116	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
117	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
118	1997	Ford	F-250	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
119	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
120	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
121	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
122	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
123	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL

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**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	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
125	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
126	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
127	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
128	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
129	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
130	1998	Ford	50 Econoline Club Wa	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
131	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
132	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
133	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
134	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
135	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
136	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
137	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
138	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
139	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
140	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
141	1998	Ford	E-150 Econoline	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
142	1998	Ford	E-150 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
143	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
144	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
145	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
146	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
147	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
148	1998	Ford	E-250 Econoline	4.2	WFMXA04.2ABA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
149	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
150	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
151	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
152	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
153	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
154	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
155	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
156	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
157	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
158	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
159	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
160	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
161	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
162	1998	Ford	Explorer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
163	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
164	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD

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**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	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
166	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
167	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447131	2WD
168	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447139	4WD
169	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447132	2WD
170	1998	Ford	F-150	4.2	WFMXA04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447140	4WD
171	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
172	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
173	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
174	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
175	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
176	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
177	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
178	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
179	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
180	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
181	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
182	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
183	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
184	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
185	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
186	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
187	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
188	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
189	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
190	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
191	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
192	1998	Ford	F-150	4.6	WFMXT04.6AAA	TIER1	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
193	1998	Ford	F-150	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
194	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
195	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
196	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
197	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
198	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
199	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
200	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
201	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
202	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
203	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
204	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
205	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD



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**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	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
207	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
208	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
209	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
210	1998	Ford	F-150	5.4	WFMXA05.4JBN	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
211	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
212	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
213	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
214	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447133	4WD
215	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447177	2WD
216	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447134	4WD
217	1998	Ford	F-250	4.6	WFMXA04.6BAA	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447178	2WD
218	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
219	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
220	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
221	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
222	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
223	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
224	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
225	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
226	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
227	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
228	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
229	1999	Ford	50 Econoline Club Wa	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
230	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
231	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	DIRECT FIT	447110	ALL
232	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
233	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
234	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
235	1999	Ford	50 Econoline Club Wa	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447183	ALL
236	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
237	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
238	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
239	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
240	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
241	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
242	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
243	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
244	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
245	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
246	1999	Ford	E-150 Econoline	4.2	XFMXA04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL

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**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	1999	Ford	E-150 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
248	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
249	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	DIRECT FIT	447110	ALL
250	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
251	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
252	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
253	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447183	ALL
254	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
255	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
256	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
257	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
258	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447179	ALL
259	1999	Ford	E-250 Econoline	4.2	XFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447180	ALL
260	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
261	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
262	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
263	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
264	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447111	2WD
265	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447113	4WD
266	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447112	2WD
267	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447114	4WD
268	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
269	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
270	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
271	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
272	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
273	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447117	4WD
274	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
275	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
276	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
277	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
278	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
279	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
280	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
281	1999	Ford	Explorer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
282	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
283	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
284	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
285	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
286	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447141	2WD
287	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447143	4WD

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**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	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447142	2WD
289	1999	Ford	F-150	4.2	XFMXT04.22GC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447144	4WD
290	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
291	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
292	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
293	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
294	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447135	2WD
295	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447137	4WD
296	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447136	2WD
297	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447138	4WD
298	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
299	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
300	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
301	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
302	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
303	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
304	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
305	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
306	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
307	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
308	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
309	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
310	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
311	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
312	1999	Ford	F-150	5.4	XFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	UL	UNIVERSAL	447206	ALL
313	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
314	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
315	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
316	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
317	1999	Ford	F-250	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
318	1999	Ford	F-250	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
319	1999	Ford	F-250	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
320	1999	Ford	F-250	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
321	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
322	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
323	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
324	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
325	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
326	1999	Ford	F-250	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
327	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
328	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL

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**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	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
330	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
331	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
332	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
333	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
334	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
335	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
336	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
337	2000	Ford	50 Econoline Club Wa	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
338	2000	Ford	50 Econoline Club Wa	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
339	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
340	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
341	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
342	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
343	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
344	2000	Ford	50 Econoline Club Wa	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
345	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
346	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
347	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
348	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
349	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
350	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
351	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
352	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
353	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
354	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
355	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
356	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
357	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
358	2000	Ford	E-150 Econoline	4.2	YFMXT04.2HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
359	2000	Ford	E-150 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
360	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
361	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
362	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
363	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
364	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
365	2000	Ford	E-150 Econoline	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
366	2000	Ford	E-150 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
367	2000	Ford	E-150 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
368	2000	Ford	E-150 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
369	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL

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**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	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
371	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
372	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
373	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
374	2000	Ford	E-250 Econoline	4.2	YFMXA04.2JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
375	2000	Ford	E-250 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
376	2000	Ford	E-250 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
377	2000	Ford	E-250 Econoline	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
378	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
379	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
380	2000	Ford	50 Econoline Club Wa	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
381	2000	Ford	50 Econoline Club Wa	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
382	2000	Ford	50 Econoline Club Wa	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
383	2000	Ford	50 Econoline Club Wa	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
384	2000	Ford	E-350 Super Duty	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
385	2000	Ford	E-350 Super Duty	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
386	2000	Ford	E-350 Super Duty	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
387	2000	Ford	E-350 Super Duty	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
388	2000	Ford	E-350 Super Duty	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
389	2000	Ford	E-350 Super Duty	6.8	YFMXA06.8JGC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
390	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
391	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
392	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
393	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
394	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447111	2WD
395	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447113	4WD
396	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447112	2WD
397	2000	Ford	Expedition	4.6	YFMXA04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447114	4WD
398	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	2WD
399	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	2WD
400	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447206	2WD
401	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447206	2WD
402	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UL	DIRECT FIT	447115	2WD
403	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UL	DIRECT FIT	447117	4WD
404	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UR	DIRECT FIT	447116	2WD
405	2000	Ford	Expedition	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UR	DIRECT FIT	447118	4WD
406	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
407	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
408	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
409	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
410	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL

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**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	2000	Ford	Explorer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
412	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
413	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
414	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
415	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
416	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447141	2WD
417	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447143	4WD
418	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447142	2WD
419	2000	Ford	F-150	4.2	YFMXT04.22FC	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447144	4WD
420	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
421	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
422	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
423	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
424	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447135	2WD
425	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447137	4WD
426	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447136	2WD
427	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447138	4WD
428	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
429	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
430	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
431	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	2WD
432	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
433	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
434	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
435	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	2WD
436	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
437	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
438	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
439	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447206	2WD
440	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
441	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
442	2000	Ford	F-150	5.4	YFMXT05.42BF	TIER1	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
443	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447206	2WD
444	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
445	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
446	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
447	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
448	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UL	DIRECT FIT	447115	2WD
449	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UL	DIRECT FIT	447117	4WD
450	2000	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
451	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD

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**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	Ford	F-150	5.4	YFMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
453	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
454	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UR	DIRECT FIT	447116	2WD
455	2000	Ford	F-150	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UR	DIRECT FIT	447118	4WD
456	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
457	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
458	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
459	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
460	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
461	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
462	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
463	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
464	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
465	2001	Ford	50 Econoline Club Wa	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
466	2001	Ford	50 Econoline Club Wa	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
467	2001	Ford	50 Econoline Club Wa	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
468	2001	Ford	50 Econoline Club Wa	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
469	2001	Ford	50 Econoline Club Wa	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
470	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
471	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
472	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
473	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
474	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
475	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
476	2001	Ford	E-150 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
477	2001	Ford	E-150 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
478	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
479	2001	Ford	E-150 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
480	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
481	2001	Ford	E-150 Econoline	4.2	1FMXT04.2HG5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
482	2001	Ford	E-150 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
483	2001	Ford	E-150 Econoline	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
484	2001	Ford	E-150 Econoline	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
485	2001	Ford	E-150 Econoline	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
486	2001	Ford	E-150 Econoline	4.6	1FMXT04.6JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
487	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
488	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
489	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
490	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
491	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
492	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL

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**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	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
494	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
495	2001	Ford	E-250 Econoline	4.2	1FMXT04.2JG5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
496	2001	Ford	E-250 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
497	2001	Ford	E-250 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
498	2001	Ford	E-250 Econoline	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
499	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
500	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
501	2001	Ford	50 Econoline Club Wa	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
502	2001	Ford	50 Econoline Club Wa	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
503	2001	Ford	50 Econoline Club Wa	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
504	2001	Ford	50 Econoline Club Wa	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
505	2001	Ford	E-350 Super Duty	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
506	2001	Ford	E-350 Super Duty	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
507	2001	Ford	E-350 Super Duty	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
508	2001	Ford	E-350 Super Duty	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
509	2001	Ford	E-350 Super Duty	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
510	2001	Ford	E-350 Super Duty	6.8	1FMXA06.8JFC	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
511	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
512	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
513	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
514	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
515	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
516	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
517	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
518	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
519	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447121	2WD
520	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447121	2WD
521	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447123	4WD
522	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447123	4WD
523	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447122	2WD
524	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447122	2WD
525	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447124	4WD
526	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447124	4WD
527	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
528	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
529	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
530	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
531	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
532	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
533	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD



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**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	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
535	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
536	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
537	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
538	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
539	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
540	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
541	2001	Ford	Expedition	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
542	2001	Ford	Expedition	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
543	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
544	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
545	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
546	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
547	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
548	2001	Ford	Explorer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
549	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
550	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
551	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
552	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
553	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447145	2WD
554	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447147	4WD
555	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447146	2WD
556	2001	Ford	F-150	4.2	1FMXT04.22F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447148	4WD
557	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
558	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
559	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
560	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
561	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
562	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	2WD
563	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
564	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	2WD
565	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447121	2WD
566	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447121	2WD
567	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447123	4WD
568	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447123	4WD
569	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447122	2WD
570	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447122	2WD
571	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447124	4WD
572	2001	Ford	F-150	4.6	1FMXT04.6PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447124	4WD
573	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
574	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL

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**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	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
576	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
577	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
578	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
579	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
580	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
581	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
582	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
583	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
584	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
585	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
586	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
587	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
588	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
589	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
590	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
591	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
592	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
593	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
594	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
595	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
596	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
597	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
598	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
599	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
600	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447151	ALL
601	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
602	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
603	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
604	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
605	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
606	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
607	2001	Ford	F-150	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
608	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
609	2001	Ford	F-150	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
610	2001	Ford	F-150	5.4	1FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447152	ALL
611	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
612	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
613	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
614	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
615	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL

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**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	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
617	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
618	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
619	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
620	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
621	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
622	2002	Ford	50 Econoline Club Wa	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
623	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
624	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
625	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
626	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
627	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
628	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
629	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FL	UNIVERSAL	447176	ALL
630	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FR	UNIVERSAL	447176	ALL
631	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
632	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
633	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
634	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
635	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
636	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
637	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
638	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
639	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
640	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
641	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
642	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
643	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
644	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
645	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
646	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
647	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447156	ALL
648	2002	Ford	E-150 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447157	ALL
649	2002	Ford	E-150 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FL	UNIVERSAL	447176	ALL
650	2002	Ford	E-150 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FR	UNIVERSAL	447176	ALL
651	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
652	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
653	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
654	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
655	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
656	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL

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**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	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FL	UNIVERSAL	447176	ALL
658	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FR	UNIVERSAL	447176	ALL
659	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FL	UNIVERSAL	447176	ALL
660	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FR	UNIVERSAL	447176	ALL
661	2002	Ford	50 Econoline Club Wa	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
662	2002	Ford	50 Econoline Club Wa	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
663	2002	Ford	50 Econoline Club Wa	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
664	2002	Ford	E-350 Super Duty	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FL	UNIVERSAL	447176	ALL
665	2002	Ford	E-350 Super Duty	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC,TWC	4	4	FR	UNIVERSAL	447176	ALL
666	2002	Ford	E-350 Super Duty	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
667	2002	Ford	E-350 Super Duty	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
668	2002	Ford	E-350 Super Duty	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
669	2002	Ford	Expedition	4.6	2FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
670	2002	Ford	Expedition	4.6	2FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
671	2002	Ford	Expedition	4.6	2FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
672	2002	Ford	Expedition	4.6	2FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
673	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
674	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
675	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
676	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
677	2002	Ford	F-150	4.6	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
678	2002	Ford	F-150	4.6	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
679	2002	Ford	F-150	4.6	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
680	2002	Ford	F-150	4.6	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
681	2002	Ford	F-150	4.6	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
682	2002	Ford	F-150	4.6	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
683	2002	Ford	F-150	4.6	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
684	2002	Ford	F-150	4.6	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
685	2002	Ford	F-150	4.6	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
686	2002	Ford	F-150	4.6	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
687	2002	Ford	F-150	4.6	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
688	2002	Ford	F-150	4.6	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
689	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
690	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
691	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
692	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
693	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
694	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
695	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
696	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
697	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL

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## 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	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
699	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
700	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
701	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
702	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
703	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
704	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
705	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
706	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
707	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
708	2002	Ford	F-150	5.4	2FMXT05.42F5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
709	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
710	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
711	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
712	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
713	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
714	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
715	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
716	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
717	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
718	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
719	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	LDT2	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
720	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
721	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
722	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
723	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
724	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
725	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447158	ALL
726	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447159	ALL
727	2003	Ford	E-350 Club Wagon	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
728	2003	Ford	E-350 Club Wagon	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
729	2003	Ford	E-350 Club Wagon	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
730	2003	Ford	E-350 Super Duty	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
731	2003	Ford	E-350 Super Duty	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
732	2003	Ford	E-350 Super Duty	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
733	2003	Ford	F-150	4.6	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
734	2003	Ford	F-150	4.6	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
735	2003	Ford	F-150	4.6	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
736	2003	Ford	F-150	4.6	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
737	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
738	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL

**Appendix D-193-98**  
**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	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
740	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
741	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
742	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
743	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
744	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
745	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
746	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
747	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
748	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
749	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
750	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
751	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
752	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
753	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
754	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
755	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RL	UNIVERSAL	447256	ALL
756	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	RR	UNIVERSAL	447256	ALL
757	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	ALL
758	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	ALL
759	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	ALL
760	2005	Ford	E-350 Club Wagon	5.4	5FMXK05.4TF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	ALL
761	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
762	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447106	ALL
763	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
764	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447106	ALL
765	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4WFD	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
766	2005	Ford	F-350 Super Duty	5.4	5FMXK05.4TF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	R	UNIVERSAL	447206	ALL
767	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
768	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
769	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
770	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
771	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
772	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
773	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
774	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
775	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
776	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447129	4WD
777	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
778	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447181	2WD
779	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD

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**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	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447130	4WD
781	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
782	1998	Lincoln	Navigator	5.4	WFMXA05.4JBC	TIER1	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447182	2WD
783	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
784	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
785	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
786	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
787	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
788	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
789	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
790	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
791	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
792	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447115	2WD
793	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
794	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447117	4WD
795	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
796	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
797	1999	Lincoln	Navigator	5.4	XFMXA05.4JGN	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
798	1999	Lincoln	Navigator	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447118	4WD
799	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	2WD
800	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	2WD
801	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RL	UNIVERSAL	447206	2WD
802	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	RR	UNIVERSAL	447206	2WD
803	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UL	DIRECT FIT	447115	2WD
804	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UL	DIRECT FIT	447117	4WD
805	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UR	DIRECT FIT	447116	2WD
806	2000	Lincoln	Navigator	5.4	YFMXA05.4RF7	LEV1 LEV	MDV3	DS	2TWC,TWC	3	2	UR	DIRECT FIT	447118	4WD
807	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
808	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
809	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
810	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
811	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
812	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
813	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
814	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
815	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
816	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447125	4WD
817	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
818	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UL	DIRECT FIT	447153	2WD
819	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD
820	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447116	2WD

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**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	2001	Lincoln	Navigator	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
822	2001	Lincoln	Navigator	5.4	1FMXT05.4RF7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	UR	DIRECT FIT	447126	4WD
823	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
824	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
825	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
826	2002	Lincoln	Blackwood	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
827	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FL	UNIVERSAL	447176	2WD
828	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	FR	UNIVERSAL	447176	2WD
829	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RL	UNIVERSAL	447206	2WD
830	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	RR	UNIVERSAL	447206	2WD
831	2003	Lincoln	Aviator	4.6	3FMXT04.62F9	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FL	UNIVERSAL	447176	ALL
832	2003	Lincoln	Aviator	4.6	3FMXT04.62F9	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	FR	UNIVERSAL	447176	ALL
833	2003	Lincoln	Aviator	4.6	3FMXT04.62F9	LEV1 LEV	MDV2	DS	2TWC,TWC	3	2	R	UNIVERSAL	447256	ALL
834	1997	Mercury	Mountaineer	5	VFM5.028GFKEK	TIER1	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
835	1997	Mercury	Mountaineer	5	VFM5.028GFKEK	TIER1	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
836	1997	Mercury	Mountaineer	5	VFM5.028GFKEK	TIER1	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
837	1997	Mercury	Mountaineer	5	VFM5.028GFKEK	TIER1	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
838	1997	Mercury	Mountaineer	5	VFM5.028GFKEK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447101	ALL
839	1997	Mercury	Mountaineer	5	VFM5.028GFKEK	TIER1	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
840	1997	Mercury	Mountaineer	5	VFM5.028GFKEK	TIER1	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
841	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
842	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
843	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
844	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
845	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447101	ALL
846	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447201	ALL
847	1998	Mercury	Mountaineer	5	WFMXT05.02DC	TLEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447102	ALL
848	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
849	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
850	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
851	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
852	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
853	1999	Mercury	Mountaineer	5	XFMXT05.02GF	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
854	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
855	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL
856	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
857	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
858	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
859	2000	Mercury	Mountaineer	5	YFMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL
860	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FL	UNIVERSAL	447175	ALL
861	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	FR	UNIVERSAL	447175	ALL



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**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	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RL	UNIVERSAL	447205	ALL
863	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	RR	UNIVERSAL	447205	ALL
864	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UL	DIRECT FIT	447119	ALL
865	2001	Mercury	Mountaineer	5	1FMXT05.02F5	LEV1 LEV	LDT2	D	2TWC(2)	4	2	UR	DIRECT FIT	447120	ALL