

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-116
Relating to Exemptions under Sections 27156 and 38391
of the Vehicle Code

Car Sound Exhaust Systems, Inc. (d.b.a. Magnaflow)
"Series 452000 and 457000 Three-Way Catalytic Converters"

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

WHEREAS, Car Sound Exhaust Systems, Inc. of 22961 Arroyo Vista, Rancho Santa Margarita, California 92688 has applied to ARB for exemption from the prohibitions in VC Sections 27156 and 38391 to market its series 452000 and 457000 new aftermarket three-way catalytic converters (TWC) on various 1995 through 2006 model-year passenger cars (PC) and light-duty trucks [0-3,750 lbs. LVW] LDT1 equipped with manifold catalytic converters and on-board diagnostic II (OBD II) system. Series 452000 TWC will only be sold as a direct fit manifold and converter assembly. Series 457000 TWC will be sold as a direct fit or a universal part. The applicable vehicles are listed in Appendix D-193-116 and incorporated herein.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code (HSC) Section 39515 and in the Chief of the Mobile Source Operations Division by HSC Section 39516 and Executive Order G-02-003, ARB finds that the above aftermarket catalytic converters comply with VC Sections 27156 and 38395 and 13 CCR Section 2222(h). Emission performance of the catalytic converter was based on durability bench-aging by Lotus Engineering, Inc. using the ARB-modified RAT-A bench-aging cycle for 75 hours as specified in Appendix A to the "California Evaluation Procedures for New Aftermarket Catalytic Converters," adopted on October 25, 2007 (Converter Evaluation Procedures).

WHEREAS, emissions and OBD II compatibility tests conducted by Car Sound Exhaust Systems, Inc. using a 2001 model-year 1.6 liter Mazda Protégé (ULEV PC, 1TKXV01.6DJA) with series 452000 and 457000 TWCs showed that the vehicle met the applicable emission standards and that series 452000 and 457000 TWCs did not falsely cause the malfunction indicator light to illuminate. Federal test procedure emission standards and test results in grams per mile are shown below:

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
PC 100K ULEV standards	0.055	2.1	0.3
Series 452000/457000 test 1	0.050	0.7	0.1
Series 452000/457000 test 2	0.043	0.7	0.1

WHEREAS, Car Sound Exhaust Systems, Inc. conducted proper malfunction indicator light illumination demonstration with series 452000 and 457000 TWCs on the same 2001

model-year 1.6 liter Mazda Protégé and demonstrated compliance with the requirements in Section (e)(5)(B) of Converter Evaluation Procedures.

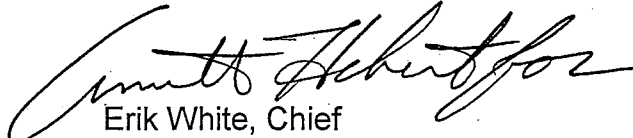
THEREFORE, IT IS HEREBY RESOLVED that Car Sound Exhaust Systems, Inc.'s series 452000 and 457000 TWCs are exempted from the prohibitions in VC Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-193-116 subject to the following conditions:

1. No changes are permitted to the catalytic converter as described in the application for exemption. Any changes to the catalytic converter or any of its components and other factors addressed in this Executive Order must be evaluated and approved by ARB prior to marketing in California.
2. Marketing of the catalytic converter using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converter for applications other than the ones shown in this Executive Order shall be prohibited unless prior approval is obtained from ARB. Exemption of this product shall not be construed as an exemption to sell, offer for sale, or advertise any components of the catalytic converter as individual devices.
3. Any oral or written references to this Executive Order or its content by Car Sound Exhaust 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 converter and is only a finding that the catalytic converter is exempt from the prohibitions in VC Sections 27156 and 38391.
4. Car Sound Exhaust Systems, Inc.'s installation instructions for the new catalytic converter must conform to requirements in Section (h) of the Converter Evaluation Procedures.
5. Installation of the catalytic converter shall not cause the relocation of any air fuel ratio or oxygen sensors. Air fuel ratio and oxygen sensors must be installed in the same location, position and orientation as prescribed in the original equipment manufacturer's configurations.
6. Upon installation, the catalytic converter must carry a manufacturer's warranty for five (5) years or 50,000 miles as prescribed in Section (f)(2) of the Converter Evaluation Procedures.
7. Car Sound Exhaust Systems, Inc. and its vendors may not advertise the new aftermarket catalytic converter as a "high flow" or "easy flow" catalytic converter or use any phrase that could make it appear to perform better than the original equipment manufacturer catalytic converter.
8. Any marketing arrangement of the new aftermarket catalytic converter by a third party, which involves the use of packaging identification different from the ones described in this Executive Order, must be approved by ARB 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 ARB.
10. Car Sound Exhaust Systems, Inc. shall comply with the quality control procedures and reporting requirements in Section (f)(5) of the Converter Evaluation Procedures.
11. Quality control reports must be submitted on a quarterly basis and warranty information reports on a semi-annual basis.
12. Car Sound Exhaust Systems, Inc. must provide a permanent label or stamp as specified under Section (f)(1) of the Converter Evaluation Procedures.
13. Car Sound Exhaust Systems, Inc.'s vehicle application catalog must conform to the requirements specified under Section (f)(4) of the Converter Evaluation Procedures.

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

Executed at El Monte, California, this 20 day of December 2013.


Erik White, Chief
Mobile Source Operations Division

Appendix D-193-116															
Car Sound Exhaust Systems, Inc. 452000 / 457000															
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	2005	Audi	A8 Quattro	6	5AD XV06.0349	LEV1 LEV	PC	D	4TWC	4	4	FL	DIRECT FIT	452793	ALL
2	2005	Audi	A8 Quattro	6	5AD XV06.0349	LEV1 LEV	PC	D	4TWC	4	4	FR	DIRECT FIT	452798	ALL
3	2005	Audi	A8 Quattro	6	5AD XV06.0349	LEV1 LEV	PC	D	4TWC	4	4	RL	DIRECT FIT	452791	ALL
4	2005	Audi	A8 Quattro	6	5AD XV06.0349	LEV1 LEV	PC	D	4TWC	4	4	RR	DIRECT FIT	452797	ALL
5	2006	Audi	A8 Quattro	6	6AD XV06.0349	LEV1 LEV	PC	D	4TWC	4	4	FL	DIRECT FIT	452793	ALL
6	2006	Audi	A8 Quattro	6	6AD XV06.0349	LEV1 LEV	PC	D	4TWC	4	4	FR	DIRECT FIT	452798	ALL
7	2006	Audi	A8 Quattro	6	6AD XV06.0349	LEV1 LEV	PC	D	4TWC	4	4	RL	DIRECT FIT	452791	ALL
8	2006	Audi	A8 Quattro	6	6AD XV06.0349	LEV1 LEV	PC	D	4TWC	4	4	RR	DIRECT FIT	452797	ALL
9	2001	BMW	M3	3.2	1BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	F	DIRECT FIT	452415	ALL
10	2001	BMW	M3	3.2	1BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	R	DIRECT FIT	452416	ALL
11	2001	BMW	Z3	3.2	1BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	F	DIRECT FIT	452415	ALL
12	2001	BMW	Z3	3.2	1BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	R	DIRECT FIT	452416	ALL
13	2002	BMW	M3	3.2	2BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	F	DIRECT FIT	452415	ALL
14	2002	BMW	M3	3.2	2BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	R	DIRECT FIT	452416	ALL
15	2002	BMW	Z3	3.2	2BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	F	DIRECT FIT	452415	ALL
16	2002	BMW	Z3	3.2	2BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	R	DIRECT FIT	452416	ALL
17	2003	BMW	M3	3.2	3BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	F	DIRECT FIT	452415	ALL
18	2003	BMW	M3	3.2	3BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	R	DIRECT FIT	452416	ALL
19	2004	BMW	M3	3.2	4BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	F	DIRECT FIT	452415	ALL
20	2004	BMW	M3	3.2	4BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	R	DIRECT FIT	452416	ALL
21	2005	BMW	M3	3.2	5BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	F	DIRECT FIT	452415	ALL
22	2005	BMW	M3	3.2	5BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	R	DIRECT FIT	452416	ALL
23	2006	BMW	M3	3.2	6BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	F	DIRECT FIT	452415	ALL
24	2006	BMW	M3	3.2	6BMXV03.2S54	LEV1 LEV	PC	D	2TWC	2	2	R	DIRECT FIT	452416	ALL
25	2004	Cadillac	XLR	4.6	4GMXV04.6067	LEV1 LEV	PC	D	2TWC	2	2	FL	DIRECT FIT	452784	ALL
26	2004	Cadillac	XLR	4.6	4GMXV04.6067	LEV1 LEV	PC	D	2TWC	2	2	FR	DIRECT FIT	452785	ALL
27	2005	Cadillac	XLR	4.6	5GMXV04.6067	LEV1 LEV	PC	D	2TWC	2	2	FL	DIRECT FIT	452784	ALL
28	2005	Cadillac	XLR	4.6	5GMXV04.6067	LEV1 LEV	PC	D	2TWC	2	2	FR	DIRECT FIT	452785	ALL
29	2006	Cadillac	XLR	4.4	6GMXV04.4068	LEV1 ULEV	PC	D	2TWC	2	2	FL	DIRECT FIT	452784	ALL
30	2006	Cadillac	XLR	4.4	6GMXV04.4068	LEV1 ULEV	PC	D	2TWC	2	2	FR	DIRECT FIT	452785	ALL
31	2006	Cadillac	XLR	4.6	6GMXV04.6067	LEV1 LEV	PC	D	2TWC	2	2	FL	DIRECT FIT	452784	ALL
32	2006	Cadillac	XLR	4.6	6GMXV04.6067	LEV1 LEV	PC	D	2TWC	2	2	FR	DIRECT FIT	452785	ALL
33	2001	Chevrolet	Tracker	2.5	1SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
34	2001	Chevrolet	Tracker	2.5	1SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
35	2001	Chevrolet	Tracker	2.5	1SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
36	2002	Chevrolet	Tracker	2.5	2SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
37	2002	Chevrolet	Tracker	2.5	2SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
38	2002	Chevrolet	Tracker	2.5	2SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
39	2003	Chevrolet	Tracker	2.5	3SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
40	2003	Chevrolet	Tracker	2.5	3SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
41	2003	Chevrolet	Tracker	2.5	3SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL

Appendix D-193-116
Car Sound Exhaust Systems, Inc. 452000 / 457000

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	2004	Chevrolet	Aveo	1.6	4GDXV01.6D02	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452338	ALL
43	2004	Chevrolet	Aveo	1.6	4GDXV01.6D02	LEV1 ULEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
44	2004	Chevrolet	Tracker	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
45	2004	Chevrolet	Tracker	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
46	2004	Chevrolet	Tracker	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
47	2005	Chevrolet	Aveo	1.6	5GDXV01.6D02	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	452338	ALL
48	1996	Honda	Civic del Sol	1.6	THN1.6VJG2EK	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
49	1996	Honda	Civic del Sol	1.6	THN1.6VJG3EK	LEV1 LEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
50	1996	Honda	Civic del Sol	1.6	THN1.6VJGK GK	TIER1	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
51	1996	Honda	Civic	1.6	THN1.6VJGK GK	TIER1	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
52	1996	Honda	Civic	1.6	THN1.6VJG2EK	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
53	1996	Honda	Civic	1.6	THN1.6VJG3EK	LEV1 LEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
54	1997	Honda	Civic del Sol	1.6	VHN1.6VJG3EK	LEV1 LEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
55	1997	Honda	Civic del Sol	1.6	VHN1.6VJGK GK	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
56	1997	Honda	Civic del Sol	1.6	VHN1.6VJG2EK	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
57	1997	Honda	Civic	1.6	VHN1.6VJG3EK	LEV1 LEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
58	1997	Honda	Civic	1.6	VHNI.6VJG2EK	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
59	1997	Honda	Civic	1.6	VHN1.6VJG2EK	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
60	1997	Honda	Civic	1.6	VHN1.6VJGK GK	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
61	1998	Honda	Civic	1.6	WHNXV01.6JL2	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
62	1998	Honda	Civic	1.6	WHNXV01.6CA3	LEV1 LEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
63	1999	Honda	Civic	1.6	XHNXV01.6CA3	LEV1 LEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
64	1999	Honda	Civic	1.6	XHNXV01.6JL2	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
65	2000	Honda	Civic	1.6	YHNXV01.6JL2	TLEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
66	2000	Honda	Civic	1.6	YHNXV01.6CA3	LEV1 LEV	PC	S	TWC	1	1	F	DIRECT FIT	452029	ALL
67	2001	Honda	Civic	1.7	1HNXV01.7YJ9	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	452030	ALL
68	2001	Honda	Civic	1.7	1HNXV01.7RJ9	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	F	DIRECT FIT	452030	ALL
69	2001	Honda	Civic	1.7	1HNXV01.7RJ9	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	R	UNIVERSAL	457056	ALL
70	2002	Honda	Civic	1.7	2HNXV01.7TA5	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	452030	ALL
71	2002	Honda	Civic	1.7	2HNXV01.73A5	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	F	DIRECT FIT	452030	ALL
72	2002	Honda	Civic	1.7	2HNXV01.73A5	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	R	UNIVERSAL	457056	ALL
73	2003	Honda	Civic	1.7	3HNXV01.7WA5	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	452030	ALL
74	2003	Honda	Civic	1.7	3HNXV01.72A5	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	F	DIRECT FIT	452030	ALL
75	2003	Honda	Civic	1.7	3HNXV01.72A5	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	R	UNIVERSAL	457056	ALL
76	2004	Honda	Civic	1.7	4HNXV01.7WA6	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	452030	ALL
77	2004	Honda	Civic	1.7	4HNXV01.73A6	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	F	DIRECT FIT	452030	ALL
78	2004	Honda	Civic	1.7	4HNXV01.73A6	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	R	UNIVERSAL	457056	ALL
79	2005	Honda	Civic	1.7	5HNXV01.7MA6	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	452030	ALL
80	2005	Honda	Civic	1.7	5HNXV01.7WA6	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	F	DIRECT FIT	452030	ALL
81	2005	Honda	Civic	1.7	5HNXV01.7WA6	LEV1 ULEV	PC	S	WU-TWC,TWC	2	2	R	UNIVERSAL	457056	ALL
82	2002	Hyundai	XG350	3.5	2HYXV03.5GLS	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452160	ALL

Appendix D-193-116															
Car Sound Exhaust Systems, Inc. 452000 / 457000															
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	2002	Hyundai	XG350	3.5	2HYXV03.5GLS	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452200	ALL
84	2002	Hyundai	XG350	3.5	2HYXV03.5GLS	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	U	UNIVERSAL	457204	ALL
85	2003	Hyundai	XG350	3.5	3HYXV03.5GLS	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452160	ALL
86	2003	Hyundai	XG350	3.5	3HYXV03.5GLS	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452200	ALL
87	2003	Hyundai	XG350	3.5	3HYXV03.5GLS	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	U	UNIVERSAL	457204	ALL
88	2001	Lexus	GS300	3	1TYXV03.0FFE	LEV1 LEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
89	2001	Lexus	GS300	3	1TYXV03.0FFE	LEV1 LEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
90	2001	Lexus	IS300	3	1TYXV03.0FFE	LEV1 LEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
91	2001	Lexus	IS300	3	1TYXV03.0FFE	LEV1 LEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
92	2002	Lexus	GS300	3	2TYXV03.0FFF	LEV1 LEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
93	2002	Lexus	GS300	3	2TYXV03.0FFF	LEV1 LEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
94	2002	Lexus	IS300	3	2TYXV03.0FFF	LEV1 LEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
95	2002	Lexus	IS300	3	2TYXV03.0FFF	LEV1 LEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
96	2003	Lexus	GS300	3	3TYXV03.0FFF	LEV1 LEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
97	2003	Lexus	GS300	3	3TYXV03.0FFF	LEV1 LEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
98	2003	Lexus	IS300	3	3TYXV03.0FFF	LEV1 LEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
99	2003	Lexus	IS300	3	3TYXV03.0FFF	LEV1 LEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
100	2004	Lexus	GS300	3	4TYXV03.0VMD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
101	2004	Lexus	GS300	3	4TYXV03.0VMD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
102	2004	Lexus	IS300	3	4TYXV03.0VMD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
103	2004	Lexus	IS300	3	4TYXV03.0VMD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
104	2005	Lexus	GS300	3	5TYXV03.0VMA	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
105	2005	Lexus	GS300	3	5TYXV03.0VMA	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
106	2005	Lexus	IS300	3	5TYXV03.0VMA	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452843	ALL
107	2005	Lexus	IS300	3	5TYXV03.0VMA	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	UNIVERSAL	457206	ALL
108	1995	Mazda	Millenia	2.3	STK2.3VJGFEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452026	ALL
109	1995	Mazda	Millenia	2.3	STK2.3VJGFEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452025	ALL
110	1995	Mazda	Millenia	2.3	STK2.3VJGFEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	U	DIRECT FIT	457030	ALL
111	1995	Mazda	Protege	1.5	STK1.5VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452697	ALL
112	1995	Mazda	Protege	1.5	STK1.5VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
113	1996	Mazda	626	2	TTK2.0VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452697	ALL
114	1996	Mazda	626	2	TTK2.0VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457205	ALL
115	1996	Mazda	Millenia	2.3	TTK2.3VJGFEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452026	ALL
116	1996	Mazda	Millenia	2.3	TTK2.3VJGFEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452025	ALL
117	1996	Mazda	Millenia	2.3	TTK2.3VJGFEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	U	DIRECT FIT	457030	ALL
118	1996	Mazda	MX-6	2	TTK2.0VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452697	ALL
119	1996	Mazda	MX-6	2	TTK2.0VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457205	ALL
120	1996	Mazda	Protege	1.5	TTK1.5VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452697	ALL
121	1996	Mazda	Protege	1.5	TTK1.5VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
122	1997	Mazda	626	2	VTK2.0VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452697	ALL
123	1997	Mazda	626	2	VTK2.0VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457205	ALL

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Car Sound Exhaust Systems, Inc. 452000 / 457000															
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	1997	Mazda	Millenia	2.3	VTK2.3VJGKEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452026	ALL
125	1997	Mazda	Millenia	2.3	VTK2.3VJGKEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452025	ALL
126	1997	Mazda	Millenia	2.3	VTK2.3VJGKEK	TIER1	PC	DS	2WU-TWC,TWC	3	2	U	DIRECT FIT	457030	ALL
127	1997	Mazda	MX-6	2	VTK2.0VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452697	ALL
128	1997	Mazda	MX-6	2	VTK2.0VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457205	ALL
129	1997	Mazda	Protege	1.5	VTK1.5VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452697	ALL
130	1997	Mazda	Protege	1.5	VTK1.5VJG2EK	TLEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
131	1998	Mazda	Millenia	2.3	WTKXV02.3VB2	TIER1	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452026	ALL
132	1998	Mazda	Millenia	2.3	WTKXV02.3VB2	TIER1	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452025	ALL
133	1998	Mazda	Millenia	2.3	WTKXV02.3VB2	TIER1	PC	DS	2WU-TWC,TWC	3	2	U	DIRECT FIT	457030	ALL
134	1998	Mazda	Protege	1.5	WTKXV01.5VDM	TLEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452697	ALL
135	1998	Mazda	Protege	1.5	WTKXV01.5VDM	TLEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
136	1999	Mazda	Millenia	2.3	XTKXV02.3VB3	TIER1	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452026	ALL
137	1999	Mazda	Millenia	2.3	XTKXV02.3VB3	TIER1	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452025	ALL
138	1999	Mazda	Millenia	2.3	XTKXV02.3VB3	TIER1	PC	DS	2WU-TWC,TWC	3	2	U	DIRECT FIT	457030	ALL
139	1999	Mazda	Protege	1.6	XTKXV01.6VJM	LEV1 ULEV	PC	D	WU-TWC,TWC	3	2	F	DIRECT FIT	452217	ALL
140	1999	Mazda	Protege	1.6	XTKXV01.6VJM	LEV1 ULEV	PC	D	WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
141	1999	Mazda	Protege	1.8	XTKXV01.8VGM	LEV1 LEV	PC	D	WU-TWC,TWC	3	2	F	DIRECT FIT	452217	ALL
142	1999	Mazda	Protege	1.8	XTKXV01.8VGM	LEV1 LEV	PC	D	WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
143	2000	Mazda	Millenia	2.3	YTKXV02.3VB3	TIER1	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452026	ALL
144	2000	Mazda	Millenia	2.3	YTKXV02.3VB3	TIER1	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452025	ALL
145	2000	Mazda	Millenia	2.3	YTKXV02.3VB3	TIER1	PC	DS	2WU-TWC,TWC	3	2	U	DIRECT FIT	457030	ALL
146	2000	Mazda	Protege	1.6	YTKXV01.6VJM	LEV1 ULEV	PC	D	WU-TWC,TWC	3	2	F	DIRECT FIT	452217	ALL
147	2000	Mazda	Protege	1.6	YTKXV01.6VJM	LEV1 ULEV	PC	D	WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
148	2000	Mazda	Protege	1.8	YTKXV01.8VFM	LEV1 LEV	PC	D	WU-TWC,TWC	3	2	F	DIRECT FIT	452217	ALL
149	2000	Mazda	Protege	1.8	YTKXV01.8VFM	LEV1 LEV	PC	D	WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
150	2001	Mazda	Millenia	2.3	1TKXV02.3AMA	TIER1	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452026	ALL
151	2001	Mazda	Millenia	2.3	1TKXV02.3AMA	TIER1	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452025	ALL
152	2001	Mazda	Millenia	2.3	1TKXV02.3AMA	TIER1	PC	DS	2WU-TWC,TWC	3	2	U	DIRECT FIT	457030	ALL
153	2001	Mazda	Protege	1.6	1TKXV01.6DJA	LEV1 ULEV	PC	D	WU-TWC,TWC	3	2	F	DIRECT FIT	452217	ALL
154	2001	Mazda	Protege	1.6	1TKXV01.6DJA	LEV1 ULEV	PC	D	WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
155	2002	Mazda	Millenia	2.3	2TKXV02.3AMA	TIER1	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452026	ALL
156	2002	Mazda	Millenia	2.3	2TKXV02.3AMA	TIER1	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452025	ALL
157	2002	Mazda	Millenia	2.3	2TKXV02.3AMA	TIER1	PC	DS	2WU-TWC,TWC	3	2	U	DIRECT FIT	457030	ALL
158	2003	Mazda	6	3	3TKXV03.0CLM	LEV1 LEV	PC	D	2WU-TWC,2TWC	4	2	F	DIRECT FIT	452863	ALL
159	2003	Mazda	6	3	3TKXV03.0CLM	LEV1 LEV	PC	D	2WU-TWC,2TWC	4	2	R	DIRECT FIT	452864	ALL
160	2003	Mazda	6	3	3TKXV03.0CLM	LEV1 LEV	PC	D	2WU-TWC,2TWC	4	2	UL	UNIVERSAL	457204	ALL
161	2003	Mazda	6	3	3TKXV03.0CLM	LEV1 LEV	PC	D	2WU-TWC,2TWC	4	2	UR	UNIVERSAL	457204	ALL
162	2004	Mazda	6	3	4TKXV03.0ALA	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	F	DIRECT FIT	452863	ALL
163	2004	Mazda	6	3	4TKXV03.0ALA	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	R	DIRECT FIT	452864	ALL
164	2004	Mazda	6	3	4TKXV03.0ALA	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UL	UNIVERSAL	457204	ALL

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Car Sound Exhaust Systems, Inc. 452000 / 457000															
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	2004	Mazda	6	3	4TKXV03.0ALA	LEV1 ULEV	PC	D	2WU-TWC,2TWC	4	2	UR	UNIVERSAL	457204	ALL
166	2000	Nissan	Sentra	1.8	YNSXV01.848A	LEV1 ULEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452103	ALL
167	2000	Nissan	Sentra	1.8	YNSXV01.848A	LEV1 ULEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457205	ALL
168	2001	Nissan	Sentra	1.8	1NSXV01.8D1B	LEV1 ULEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452103	ALL
169	2001	Nissan	Sentra	1.8	1NSXV01.8D1A	LEV1 ULEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452103	ALL
170	2001	Nissan	Sentra	1.8	1NSXV01.8D1B	LEV1 ULEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457205	ALL
171	2001	Nissan	Sentra	1.8	1NSXV01.8D1A	LEV1 ULEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457205	ALL
172	2002	Nissan	Sentra	1.8	2NSXV01.8D1A	LEV1 ULEV	PC	DS	2TWC,TWC	3	2	F	DIRECT FIT	452103	ALL
173	2002	Nissan	Sentra	1.8	2NSXV01.8D1A	LEV1 ULEV	PC	DS	2TWC,TWC	3	2	R	UNIVERSAL	457205	ALL
174	1999	Saturn	SC2	1.9	XGMXV01.9004	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
175	1999	Saturn	SC2	1.9	XGMXV01.9004	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
176	1999	Saturn	SL2	1.9	XGMXV01.9004	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
177	1999	Saturn	SL2	1.9	XGMXV01.9004	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
178	1999	Saturn	SW2	1.9	XGMXV01.9004	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
179	1999	Saturn	SW2	1.9	XGMXV01.9004	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
180	2000	Saturn	SC2	1.9	YGMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
181	2000	Saturn	SC2	1.9	YGMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
182	2000	Saturn	SL2	1.9	YGMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
183	2000	Saturn	SL2	1.9	YGMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
184	2000	Saturn	SW2	1.9	YGMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
185	2000	Saturn	SW2	1.9	YGMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
186	2001	Saturn	SC2	1.9	1GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
187	2001	Saturn	SC2	1.9	1GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
188	2001	Saturn	SL2	1.9	1GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
189	2001	Saturn	SL2	1.9	1GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
190	2001	Saturn	SW2	1.9	1GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
191	2001	Saturn	SW2	1.9	1GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
192	2002	Saturn	SC2	1.9	2GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
193	2002	Saturn	SC2	1.9	2GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
194	2002	Saturn	SL2	1.9	2GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	F	DIRECT FIT	452150	ALL
195	2002	Saturn	SL2	1.9	2GMXV01.9002	LEV1 LEV	PC	S	WU-TWC,TWC	2	1	R	UNIVERSAL	457204	ALL
196	1999	Suzuki	Grand Vitara	2.5	XSKXT2.49LHA	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
197	1999	Suzuki	Grand Vitara	2.5	XSKXT2.49LHA	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
198	1999	Suzuki	Grand Vitara	2.5	XSKXT2.49LHA	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
199	2000	Suzuki	Grand Vitara	2.5	YSKXT2.49LHA	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
200	2000	Suzuki	Grand Vitara	2.5	YSKXT2.49LHA	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
201	2000	Suzuki	Grand Vitara	2.5	YSKXT2.49LHA	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
202	2001	Suzuki	Grand Vitara	2.5	1SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
203	2001	Suzuki	Grand Vitara	2.5	1SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
204	2001	Suzuki	Grand Vitara	2.5	1SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
205	2002	Suzuki	Grand Vitara	2.5	2SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL

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Car Sound Exhaust Systems, Inc. 452000 / 457000															
No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
206	2002	Suzuki	Grand Vitara	2.5	2SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
207	2002	Suzuki	Grand Vitara	2.5	2SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
208	2003	Suzuki	Grand Vitara	2.5	3SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
209	2003	Suzuki	Grand Vitara	2.5	3SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
210	2003	Suzuki	Grand Vitara	2.5	3SKXT2.49LC1	LEV1 LEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
211	2004	Suzuki	Grand Vitara	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
212	2004	Suzuki	Grand Vitara	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
213	2004	Suzuki	Grand Vitara	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
214	2004	Suzuki	Vitara	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
215	2004	Suzuki	Vitara	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
216	2004	Suzuki	Vitara	2.5	4SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
217	2005	Suzuki	Grand Vitara	2.5	5SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	FL	DIRECT FIT	452060	ALL
218	2005	Suzuki	Grand Vitara	2.5	5SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	FR	DIRECT FIT	452282	ALL
219	2005	Suzuki	Grand Vitara	2.5	5SKXT2.49LC1	LEV1 ULEV	LDT1	D	2WU-TWC,TWC	3	2	R	UNIVERSAL	457204	ALL
220	2000	Toyota	Avalon	3	YTYXV03.0FFC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452641	ALL
221	2000	Toyota	Avalon	3	YTYXV03.0FFC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452136	ALL
222	2000	Toyota	Avalon	3	YTYXV03.0FFC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	U	UNIVERSAL	457205	ALL
223	2001	Toyota	Avalon	3	1TYXV03.0FFC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452641	ALL
224	2001	Toyota	Avalon	3	1TYXV03.0FFC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452136	ALL
225	2001	Toyota	Avalon	3	1TYXV03.0FFC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	U	UNIVERSAL	457205	ALL
226	2002	Toyota	Avalon	3	2TYXV03.0FFD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452641	ALL
227	2002	Toyota	Avalon	3	2TYXV03.0FFD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452136	ALL
228	2002	Toyota	Avalon	3	2TYXV03.0FFD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	U	UNIVERSAL	457205	ALL
229	2003	Toyota	Avalon	3	3TYXV03.0FFD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452641	ALL
230	2003	Toyota	Avalon	3	3TYXV03.0FFD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452136	ALL
231	2003	Toyota	Avalon	3	3TYXV03.0FFD	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	U	UNIVERSAL	457205	ALL
232	2004	Toyota	Avalon	3	4TYXV03.0VMC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	F	DIRECT FIT	452641	ALL
233	2004	Toyota	Avalon	3	4TYXV03.0VMC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	R	DIRECT FIT	452136	ALL
234	2004	Toyota	Avalon	3	4TYXV03.0VMC	LEV1 LEV	PC	DS	2WU-TWC,TWC	3	2	U	UNIVERSAL	457205	ALL