

**State of California  
AIR RESOURCES BOARD**

**EXECUTIVE ORDER D-665-1**

Relating to Exemptions under Section 27156 and 38391  
of the Vehicle Code

Eastern Manufacturing, Inc.  
"Series 850200 Three-way Catalytic Converter"

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 Section 27156 and 38391.

WHEREAS, Eastern Manufacturing, Inc. (Eastern) of 2151 Cabot Blvd., West Longhorne, Pennsylvania 19047, 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 850200 three-way catalytic converter (TWC) for installation on selected 1996 through 2002 General Motors passenger cars (PC) and light-duty trucks 1 (LDT1) equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-665-1 and incorporated herein. Series 850200 TWC will be used for a single (1 unit) catalytic converter system application for the selected General Motors PC/LDT1. The catalytic converter may be sold as a universal or direct fit system.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code Section 39515 and in the Chief, 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 converter complies with the California Vehicle Code Sections 27156 and 38395 and Title 13, California Code of Regulations, Section 2222(h). Emission performance of the catalytic converter was based on durability bench-aging by Umicore Autocat USA Inc. using the Air Resources Board-modified RAT-A bench-aging cycle for 75 hours, as specified in Appendix A to the "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007.

WHEREAS, emissions tests conducted at Automotive Testing and Development Services, Inc., Ontario, California, using a 2002 3.8L Chevrolet Camaro, test group 2GMXV03.8043, certified to the passenger car and Low Emission Vehicle emission standards (PC, LEV), showed that the vehicle met the applicable emission standards with Series 850200 TWC (1 unit) installed. OBD II compatibility tests performed on the same test vehicle showed that Series 850200 TWC did not affect the vehicle's ability to perform OBD II system monitoring. The following are the test results in grams per mile:

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
100K Standards	0.090	4.2	0.3
Series 850200 Test 1	0.080	0.9	0.1
Series 850200 Test 2	0.084	1.1	0.1

WHEREAS, evaluation of Series 850200 TWC using the procedures and criteria specified in Section (5)(B) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007, showed that the catalytic converter meets the requirements for proper MIL illumination demonstration.


THEREFORE, IT IS HEREBY RESOLVED that Eastern Manufacturing, Inc.'s 850200 TWC is exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-665-1 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 their components, and other factors addressed in this order must be evaluated and approved by the Air Resources Board 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 application other than the ones shown in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. 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 Eastern Manufacturing, 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 of Vehicle Code Sections 27156 and 38391.
4. Eastern Manufacturing, Inc.'s installation instructions for the new catalytic converter must conform to requirements in Section (h) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
5. Installation of the catalytic converter shall not cause the relocation of an oxygen sensor. 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 "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
7. Eastern Manufacturing, Inc. and its vendors may not advertise the new aftermarket catalytic converter as "high flow or easy flow" catalytic converter or use any phrase that could make them appear to perform better than the original equipment manufacturer (OEM) catalytic converters.
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 the Air Resources Board prior to shipment.

9. Eastern, its associates, vendors, other businesses, and individuals associated with Eastern, 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. Eastern Manufacturing, 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," as adopted October 25, 2007.
11. Quality control reports must be submitted on a quarterly basis and warranty information reports must be submitted on a semi-annual basis.
12. Eastern Manufacturing, Inc. must provide a permanent label or stamp as specified under Section (f)(1) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted on October 25, 2007.
13. Eastern Manufacturing, Inc.'s vehicle application catalog must conform with the requirements as specified under Section (f)(4) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as 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 2<sup>nd</sup> day of February 2010.

  
Annette Hebert, Chief  
Mobile Source Operations Division

**Appendix D-665-1**  
**Eastern Manufacturing, Inc. 850200**

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	Buick	Regal	3.8	TGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850209	ALL
2	1996	Buick	Skylark	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
3	1996	Buick	Skylark	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
4	1997	Buick	Century	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
5	1997	Buick	Skylark	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
6	1997	Buick	Skylark	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
7	1998	Buick	Skylark	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
8	1998	Buick	Skylark	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
9	1998	Buick	Skylark	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
10	1998	Buick	Skylark	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850253	ALL
11	1996	Chevrolet	Cavalier	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
12	1996	Chevrolet	Cavalier	2.4	TGM2.4VJG2EK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
13	1996	Chevrolet	Cavalier	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
14	1996	Chevrolet	Cavalier	2.4	TGM2.4VJG2EK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
15	1997	Chevrolet	Cavalier	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
16	1997	Chevrolet	Cavalier	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
17	1997	Chevrolet	Malibu	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
18	1997	Chevrolet	Malibu	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
19	1998	Chevrolet	Malibu	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
20	1998	Chevrolet	Malibu	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
21	1998	Chevrolet	Malibu	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
22	1998	Chevrolet	Malibu	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
23	1999	Chevrolet	Cavalier	2.2	XGMXV02.2022	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
24	1999	Chevrolet	Cavalier	2.2	XGMXV02.2023	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
25	1999	Chevrolet	Cavalier	2.2	XGMXV02.2022	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
26	1999	Chevrolet	Cavalier	2.2	XGMXV02.2023	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
27	1999	Chevrolet	Cavalier	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
28	1999	Chevrolet	Cavalier	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
29	1999	Chevrolet	Malibu	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
30	1999	Chevrolet	Malibu	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
31	1999	Chevrolet	Malibu	3.1	XGMXV03.1043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850203	ALL
32	2000	Chevrolet	Cavalier	2.2	YGMXV02.2023	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
33	2000	Chevrolet	Cavalier	2.2	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
34	2000	Chevrolet	Cavalier	2.2	YGMXV02.2023	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
35	2000	Chevrolet	Cavalier	2.2	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
36	2000	Chevrolet	Cavalier	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
37	2000	Chevrolet	Cavalier	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
38	2000	Chevrolet	Lumina	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
39	2000	Chevrolet	Malibu	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
40	2000	Chevrolet	Malibu	3.1	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
41	2000	Chevrolet	Malibu	3.1	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
42	2001	Chevrolet	Cavalier	2.2	1GMXV02.2024	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
43	2001	Chevrolet	Cavalier	2.2	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
44	2001	Chevrolet	Cavalier	2.2	1GMXV02.2024	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
45	2001	Chevrolet	Cavalier	2.2	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
46	2001	Chevrolet	Cavalier	2.4	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
47	2001	Chevrolet	Cavalier	2.4	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
48	2001	Chevrolet	Malibu	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL

**Appendix D-665-1  
Eastern Manufacturing, Inc. 850200**

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
49	2001	Chevrolet	Malibu	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
50	2002	Chevrolet	Cavalier	2.2	2GMXV02.2024	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
51	2002	Chevrolet	Cavalier	2.2	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
52	2002	Chevrolet	Cavalier	2.2	2GMXV02.2024	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
53	2002	Chevrolet	Cavalier	2.2	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
54	2002	Chevrolet	Cavalier	2.4	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
55	2002	Chevrolet	Cavalier	2.4	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
56	2002	Chevrolet	Malibu	3.1	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
57	2002	Chevrolet	Malibu	3.1	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
58	1996	Oldsmobile	Achieva	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
59	1996	Oldsmobile	Achieva	2.4	TGM2.4VJGKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
60	1996	Oldsmobile	Achieva	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
61	1996	Oldsmobile	Achieva	2.4	TGM2.4VJGKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
62	1997	Oldsmobile	Achieva	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
63	1997	Oldsmobile	Achieva	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
64	1997	Oldsmobile	Cutlass	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
65	1997	Oldsmobile	Cutlass	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
66	1998	Oldsmobile	Achieva	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
67	1998	Oldsmobile	Achieva	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
68	1998	Oldsmobile	Achieva	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
69	1998	Oldsmobile	Achieva	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850266	ALL
70	1998	Oldsmobile	Cutlass	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850203	ALL
71	1998	Oldsmobile	Cutlass	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
72	1998	Oldsmobile	Cutlass	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
73	1999	Oldsmobile	Alero	2.4	XGMXV02.4025	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
74	1999	Oldsmobile	Alero	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
75	1999	Oldsmobile	Alero	2.4	XGMXV02.4025	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
76	1999	Oldsmobile	Alero	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
77	1999	Oldsmobile	Alero	3.4	XGMXV03.4042	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
78	1999	Oldsmobile	Alero	3.4	XGMXV03.4042	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
79	1999	Oldsmobile	Cutlass	2.4	XGMXV02.4025	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850203	ALL
80	1999	Oldsmobile	Cutlass	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850203	ALL
81	1999	Oldsmobile	Cutlass	3.1	XGMXV03.1043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
82	1999	Oldsmobile	Cutlass	3.1	XGMXV03.1043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
83	1999	Oldsmobile	Intrigue	3.5	XGMXV03.0564	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850204	ALL
84	2000	Oldsmobile	Alero	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
85	2000	Oldsmobile	Alero	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
86	2000	Oldsmobile	Alero	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
87	2000	Oldsmobile	Alero	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
88	2001	Oldsmobile	Alero	2.4	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
89	2001	Oldsmobile	Alero	2.4	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
90	2001	Oldsmobile	Alero	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
91	2001	Oldsmobile	Alero	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
92	2001	Oldsmobile	Alero	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850204	ALL
93	2002	Oldsmobile	Alero	2.2	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
94	2002	Oldsmobile	Alero	2.2	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850274	ALL
95	2002	Oldsmobile	Alero	3.4	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
96	2002	Oldsmobile	Alero	3.4	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL

**Appendix D-665-1  
Eastern Manufacturing, Inc. 850200**

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
97	1996	Pontiac	Grand Am	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
98	1996	Pontiac	Grand Am	2.4	TGM2.4VJGKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
99	1996	Pontiac	Grand Am	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
100	1996	Pontiac	Grand Am	2.4	TGM2.4VJGKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
101	1996	Pontiac	Grand Prix	3.8	TGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850209	ALL
102	1996	Pontiac	Sunfire	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
103	1996	Pontiac	Sunfire	2.4	TGM2.4VJGKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
104	1996	Pontiac	Sunfire	2.4	TGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
105	1996	Pontiac	Sunfire	2.4	TGM2.4VJGKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
106	1997	Pontiac	Grand Am	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
107	1997	Pontiac	Grand Am	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
108	1997	Pontiac	Sunfire	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850202	ALL
109	1997	Pontiac	Sunfire	2.4	VGM2.4VJG2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850257	ALL
110	1998	Pontiac	Grand Am	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
111	1998	Pontiac	Grand Am	2.4	WGMXV02.4026	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850254	ALL
112	1998	Pontiac	Grand Am	3.1	WGMXV03.1042	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850203	ALL
113	1999	Pontiac	Grand Am	2.4	XGMXV02.4025	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
114	1999	Pontiac	Grand Am	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
115	1999	Pontiac	Grand Am	2.4	XGMXV02.4025	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
116	1999	Pontiac	Grand Am	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
117	1999	Pontiac	Grand Am	3.4	XGMXV03.4042	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
118	1999	Pontiac	Grand Am	3.4	XGMXV03.4042	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
119	1999	Pontiac	Sunfire	2.2	XGMXV02.2022	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
120	1999	Pontiac	Sunfire	2.2	XGMXV02.2023	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
121	1999	Pontiac	Sunfire	2.2	XGMXV02.2022	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
122	1999	Pontiac	Sunfire	2.2	XGMXV02.2023	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
123	1999	Pontiac	Sunfire	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
124	1999	Pontiac	Sunfire	2.4	XGMXV02.4027	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
125	2000	Pontiac	Bonneville	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850204	ALL
126	2000	Pontiac	Grand Am	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
127	2000	Pontiac	Grand Am	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
128	2000	Pontiac	Grand Am	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
129	2000	Pontiac	Grand Am	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
130	2000	Pontiac	Sunfire	2.2	YGMXV02.2023	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
131	2000	Pontiac	Sunfire	2.2	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
132	2000	Pontiac	Sunfire	2.2	YGMXV02.2023	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
133	2000	Pontiac	Sunfire	2.2	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
134	2000	Pontiac	Sunfire	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
135	2000	Pontiac	Sunfire	2.4	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
136	2001	Pontiac	Grand Am	2.4	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
137	2001	Pontiac	Grand Am	2.4	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
138	2001	Pontiac	Grand Am	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850203	ALL
139	2001	Pontiac	Sunfire	2.2	1GMXV02.2024	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
140	2001	Pontiac	Sunfire	2.2	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
141	2001	Pontiac	Sunfire	2.2	1GMXV02.2024	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
142	2001	Pontiac	Sunfire	2.2	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
143	2001	Pontiac	Sunfire	2.4	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
144	2001	Pontiac	Sunfire	2.4	1GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL

## Appendix D-665-1

## Eastern Manufacturing, Inc. 850200

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
145	2002	Pontiac	Bonneville	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850204	ALL
146	2002	Pontiac	Grand Am	2.2	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
147	2002	Pontiac	Grand Am	2.2	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850274	ALL
148	2002	Pontiac	Grand Am	3.4	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
149	2002	Pontiac	Grand Am	3.4	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850272	ALL
150	2002	Pontiac	Sunfire	2.2	2GMXV02.2024	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
151	2002	Pontiac	Sunfire	2.2	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
152	2002	Pontiac	Sunfire	2.2	2GMXV02.2024	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
153	2002	Pontiac	Sunfire	2.2	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850261	ALL
154	2002	Pontiac	Sunfire	2.4	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
155	2002	Pontiac	Sunfire	2.4	2GMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850258	ALL
156	2001	Saab	9/3/2012	2	1GMXV02.3001	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850203	ALL
157	2001	Saab	9/3/2012	2.3	1GMXV02.3001	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850203	ALL
158	1998	Saturn	SC1	1.9	WGMXV01.9002	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
159	1998	Saturn	SL	1.9	WGMXV01.9002	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
160	1998	Saturn	SW1	1.9	WGMXV01.9002	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
161	2000	Saturn	LS1	2.2	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
162	2000	Saturn	LS1	2.2	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850264	ALL
163	2000	Saturn	LW1	2.2	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850207	ALL
164	2000	Saturn	LW1	2.2	YGMXV02.4022	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850264	ALL