

**State of California
AIR RESOURCES BOARD**

EXECUTIVE ORDER D-665-12

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

Eastern Manufacturing, Inc.
"Series 850600 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 850600 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-665-12 and incorporated herein. Series 850600 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, OBD II compatibility tests, and MIL illumination demonstration tests previously conducted for Executive Order D-665-2 showed that the test vehicle met all applicable emission standards with Series 850200 TWC (round substrate) installed.

WHEREAS, Light-Off and Lambda Sweep tests showed that the Series 850600 TWC oval substrate conversion efficiency is equivalent to the Series 850200 TWC round substrate conversion efficiency.

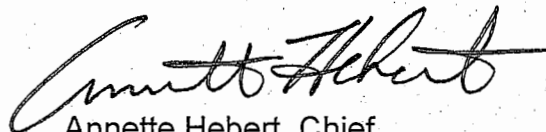
THEREFORE, IT IS HEREBY RESOLVED that Eastern Manufacturing, Inc.'s 850600 TWC is exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-665-12 subject to the following conditions:

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 21 day of September 2012.



Annette Hebert, Chief
Mobile Source Operations Division

EVALUATION SUMMARY

Manufacturer Name: Eastern Manufacturing, Inc.

Name of Device: Series 850600 Three-way Catalytic Converter (TWC).

Background:

Eastern Manufacturing, Inc. (Eastern) of 2151 Cabot Blvd, West Langhorne, Pennsylvania 19047, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code (VC) for its Series 850600 new aftermarket TWC. The new aftermarket catalytic converter is for installation on selected 1996 through 2002 General Motors passenger cars and light-duty trucks 1 equipped with on-board diagnostic II (OBD II) systems.

Recommendation:

Grant exemption to Eastern Manufacturing, Inc. as requested, and issue Executive Order D-665-12.

Device Description:

Eastern's Series 850600 new aftermarket TWC is designed to use one oval ceramic monolith substrate. The substrate has a major axis of 4.75 inches, a minor axis of 3.15 inches, and a length of 5.00 inches. The total volume of the substrate is 64.00 cubic inches. The substrate is contained in a shell constructed from 409-grade stainless steel. The substrate is wrapped with 3M interam mat paper, to prevent vibration and exhaust by-pass. The wrapped substrate is then sealed in the stainless steel shell by seam weld. A piece of aluminized heat shield is spot-welded to the upper side and lower side of the converter to protect the vehicle's underbody from excessive heat. The catalytic converter is to be used as a replacement on selected General Motors OBD II-equipped passenger cars and light-duty trucks 1 with a single catalytic converter. The catalytic converter is sold with a warranty for five years or 50,000 miles on the substrates, the container or shell, and the end pipes.

Umicore Autocat USA Inc. (Umicore) is the catalyst supplier for Eastern's Series 850600 TWC.

Discussion/Basis for Exemption Recommendation:

Eastern previously submitted data on the Series 850200 TWC, which has one round ceramic monolith substrate with a diameter of 3.66 inches, a length of 6 inches, and a volume of 63.00 cubic inches. Testing was conducted at Automotive Testing and Development Services, Inc. (ATDS), Ontario, California. Umicore performed the catalyst bench aging at its Auburn Hills, Michigan laboratory using the ARB-modified RAT-A cycle for 75 hours as specified in Appendix A of "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007. Emission tests were conducted using a 2002 3.8L Chevrolet Camaro, engine test group 2GMXV03.8043, equipped with a single catalyst system with Series 850200 TWC installed. The test vehicle was certified to the Low Emission Vehicle (LEV) standards and PC weight category (LEV/PC). The odometer reading on the test vehicle was 84,595 miles. The emission test results meet emission requirements of the test vehicle specified in section (e)(1)(B) of "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007.

Eastern conducted "Light-off" and "Lambda Sweep" tests to determine if the Series 850600 oval substrate conversion efficiency is equivalent to the previously tested Series 850200 round substrate (test results shown below). Both series substrates were subjected to a 30 minute degreening/preconditioning treatment prior to conducting the light-off test. The pretreatment burns out mat insulation binders and stabilizes the catalyst performance.

Umicore Bench Light-Off Test Comparison				
Temperature at 50% Conversion Efficiency (°C)				
	HC	CO	NOx	
Series 850200 round substrate	251	251	247	
Series 850600 oval substrate	257	257	253	

Umicore Bench Lambda Sweep Test Comparison				
Integral Stoichiometric Conversion Efficiency (%)				
	HC	CO	NOx	Conversion Efficiency and Air-Fuel Ratio at CO/NOx Cross-Over Point
Series 850200 round substrate	97.0	96.8	94.2	99.9% conversion @ 1.001 Lambda
Series 850600 oval substrate	96.5	95.7	94.8	99.9% conversion @ 1.001 Lambda

The light-off test results show that the oval substrate temperatures at 50% conversion efficiency for HC, CO, and NOx are each 6°C (2.4%) higher than the round substrate. The lambda sweep test results show that the oval substrate integral stoichiometric efficiencies for HC, CO, and NOx are no more than 1.1% different at the CO/NOx cross-over point than the round substrate. Based on the light-off and lambda sweep tests, the oval substrate efficiency characteristics appear to be similar to the round substrate.

Umicore performed the furnace-based incremental aging for proper MIL illumination demonstration at its Catoosa, Oklahoma laboratory. 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.

The Air Resources Board did not conduct emissions confirmatory tests to verify the data obtained at the independent laboratory.

Appendix D-665-12
Eastern Manufacturing, Inc. 850600

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	Century	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
2	1996	Buick	Century	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850688	ALL
3	1996	Buick	Century	3.8	TGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
4	1996	Buick	Century	3.8	TGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850669	ALL
5	1996	Buick	Riviera	3.8	TGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
6	1996	Buick	Riviera	3.8	TGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850670	ALL
7	1997	Buick	Century	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
8	1997	Buick	Park Avenue	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
9	1997	Buick	Park Avenue	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
10	1997	Buick	Regal	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
11	1997	Buick	Regal	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
12	1997	Buick	Riviera	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
13	1997	Buick	Riviera	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
14	1998	Buick	Century	3.1	WGMXV03.1042	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
15	1998	Buick	Century	3.1	WGMXV03.1042	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
16	1998	Buick	LeSabre	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
17	1998	Buick	LeSabre	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
18	1998	Buick	Regal	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
19	1998	Buick	Regal	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
20	1999	Buick	Century	3.1	XGMXV03.4042	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
21	1999	Buick	Century	3.1	XGMXV03.4042	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
22	1999	Buick	LeSabre	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
23	1999	Buick	LeSabre	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
24	1999	Buick	LeSabre	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
25	1999	Buick	LeSabre	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
26	1999	Buick	Park Avenue	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
27	1999	Buick	Park Avenue	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
28	1999	Buick	Park Avenue	3.8	XGMXV03.8053	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
29	1999	Buick	Park Avenue	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
30	1999	Buick	Park Avenue	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
31	1999	Buick	Park Avenue	3.8	XGMXV03.8053	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
32	1999	Buick	Regal	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
33	1999	Buick	Regal	3.8	XGMXV03.8053	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
34	1999	Buick	Regal	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
35	1999	Buick	Regal	3.8	XGMXV03.8053	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
36	1999	Buick	Riviera	3.8	XGMXV03.8053	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
37	1999	Buick	Riviera	3.8	XGMXV03.8053	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
38	2000	Buick	Century	3.1	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
39	2000	Buick	Century	3.1	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
40	2000	Buick	Park Avenue	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
41	2000	Buick	Park Avenue	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
42	2000	Buick	Regal	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
43	2000	Buick	Regal	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
44	2001	Buick	Century	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
45	2001	Buick	Century	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
46	2001	Buick	Park Avenue	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
47	2001	Buick	Park Avenue	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
48	2001	Buick	Regal	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL

Appendix D-665-12
Eastern Manufacturing, Inc. 850600

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	Buick	Regal	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
50	2002	Buick	Century	3.1	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
51	2002	Buick	Century	3.1	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
52	2002	Buick	Park Avenue	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
53	2002	Buick	Park Avenue	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
54	2002	Buick	Regal	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
55	2002	Buick	Regal	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
56	1996	Chevrolet	Beretta	2.2	TGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
57	1996	Chevrolet	Beretta	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
58	1996	Chevrolet	Beretta	2.2	TGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850656	ALL
59	1996	Chevrolet	Beretta	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850656	ALL
60	1996	Chevrolet	Cavalier	2.2	TGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
61	1996	Chevrolet	Cavalier	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
62	1996	Chevrolet	Cavalier	2.2	TGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
63	1996	Chevrolet	Cavalier	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
64	1996	Chevrolet	Corsica	2.2	TGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
65	1996	Chevrolet	Corsica	2.2	TGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850656	ALL
66	1996	Chevrolet	S10	2.2	TGM2.218GFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
67	1996	Chevrolet	S10	2.2	TGM2.218GFEK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
68	1996	Chevrolet	S10	4.3	TGM4.31PGFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850619	ALL
69	1996	Chevrolet	S10	4.3	TGM4.31PGFEK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850667	ALL
70	1997	Chevrolet	Cavalier	2.2	VGM2.2V8G1FK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
71	1997	Chevrolet	Cavalier	2.2	VGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
72	1997	Chevrolet	Cavalier	2.2	VGM2.2V8G1FK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
73	1997	Chevrolet	Cavalier	2.2	VGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
74	1997	Chevrolet	S10	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
75	1997	Chevrolet	S10	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
76	1997	Chevrolet	S10	4.3	VGM4.31PG1EK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
77	1997	Chevrolet	S10	4.3	VGM4.31PG1EK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850667	ALL
78	1998	Chevrolet	Cavalier	2.2	WGMXV02.2023	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
79	1998	Chevrolet	Cavalier	2.2	WGMXV02.2023	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
80	1998	Chevrolet	Lumina	3.1	WGMXV03.1042	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850613	ALL
81	1998	Chevrolet	Lumina	3.1	WGMXV03.1042	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850671	ALL
82	1998	Chevrolet	Lumina	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
83	1998	Chevrolet	Lumina	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850673	ALL
84	1998	Chevrolet	Monte Carlo	3.1	WGMXV03.1042	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850613	ALL
85	1998	Chevrolet	Monte Carlo	3.1	WGMXV03.1042	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850671	ALL
86	1998	Chevrolet	Monte Carlo	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
87	1998	Chevrolet	Monte Carlo	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850673	ALL
88	1998	Chevrolet	S10	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
89	1998	Chevrolet	S10	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
90	1999	Chevrolet	Camaro	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
91	1999	Chevrolet	Camaro	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
92	1999	Chevrolet	Camaro	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
93	1999	Chevrolet	Camaro	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
94	1999	Chevrolet	Lumina	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
95	1999	Chevrolet	Lumina	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
96	1999	Chevrolet	Lumina	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850673	ALL

Appendix D-665-12
Eastern Manufacturing, Inc. 850600

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	1999	Chevrolet	Lumina	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850673	ALL
98	1999	Chevrolet	Monte Carlo	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
99	1999	Chevrolet	Monte Carlo	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
100	1999	Chevrolet	Monte Carlo	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850673	ALL
101	1999	Chevrolet	Monte Carlo	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850673	ALL
102	1999	Chevrolet	S10	2.2	XGMXT02.2122	TLEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
103	1999	Chevrolet	S10	2.2	XGMXT02.2122	TLEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
104	2000	Chevrolet	Camaro	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
105	2000	Chevrolet	Camaro	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
106	2000	Chevrolet	Impala	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
107	2000	Chevrolet	Impala	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
108	2000	Chevrolet	Monte Carlo	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
109	2000	Chevrolet	Monte Carlo	3.4	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
110	2000	Chevrolet	S10	2.2	YGMXX02.2023	TLEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
111	2000	Chevrolet	S10	2.2	YGMXT02.2122	LEV1 LEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
112	2000	Chevrolet	S10	2.2	YGMXX02.2023	TLEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
113	2000	Chevrolet	S10	2.2	YGMXT02.2122	LEV1 LEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
114	2001	Chevrolet	Camaro	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
115	2001	Chevrolet	Camaro	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
116	2001	Chevrolet	Impala	3.4	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
117	2001	Chevrolet	Impala	3.4	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
118	2001	Chevrolet	Lumina	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850613	ALL
119	2001	Chevrolet	Lumina	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850671	ALL
120	2001	Chevrolet	Monte Carlo	3.4	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
121	2001	Chevrolet	Monte Carlo	3.4	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
122	2002	Chevrolet	Camaro	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
123	2002	Chevrolet	Camaro	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
124	2002	Chevrolet	Impala	3.4	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
125	2002	Chevrolet	Impala	3.4	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
126	2002	Chevrolet	Impala	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
127	2002	Chevrolet	Impala	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
128	2002	Chevrolet	Monte Carlo	3.4	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
129	2002	Chevrolet	Monte Carlo	3.4	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
130	1996	GMC	Sonoma	2.2	TGM2.218GFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
131	1996	GMC	Sonoma	2.2	TGM2.218GFEK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
132	1996	GMC	Sonoma	4.3	TGM4.31PGFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850619	ALL
133	1996	GMC	Sonoma	4.3	TGM4.31PGFEK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850667	ALL
134	1997	GMC	Sonoma	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
135	1997	GMC	Sonoma	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
136	1997	GMC	Sonoma	4.3	VGM4.31PG1EK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
137	1997	GMC	Sonoma	4.3	VGM4.31PG1EK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850667	ALL
138	1998	GMC	Sonoma	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
139	1998	GMC	Sonoma	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
140	1999	GMC	Sonoma	2.2	XGMXT02.2122	TLEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
141	1999	GMC	Sonoma	2.2	XGMXT02.2122	TLEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
142	2000	GMC	Sonoma	2.2	YGMXX02.2023	TLEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
143	2000	GMC	Sonoma	2.2	YGMXT02.2122	LEV1 LEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
144	2000	GMC	Sonoma	2.2	YGMXX02.2023	TLEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL

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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	2000	GMC	Sonoma	2.2	YGMXT02.2122	LEV1 LEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
146	1996	Isuzu	Hombre	2.2	TGM2.218GFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
147	1996	Isuzu	Hombre	2.2	TGM2.218GFEK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
148	1997	Isuzu	Hombre	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
149	1997	Isuzu	Hombre	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
150	1997	Isuzu	Hombre	4.3	VGM4.31PG1EK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
151	1997	Isuzu	Hombre	4.3	VGM4.31PG1EK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850667	ALL
152	1998	Isuzu	Hombre	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
153	1998	Isuzu	Hombre	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
154	1999	Isuzu	Hombre	2.2	XGMXT02.2122	TLEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
155	1999	Isuzu	Hombre	2.2	XGMXT02.2122	TLEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
156	2000	Isuzu	Hombre	2.2	YGMXX02.2023	TLEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
157	2000	Isuzu	Hombre	2.2	YGMXT02.2122	LEV1 LEV	LDT1	S	TWC	1	1	U	UNIVERSAL	850612	ALL
158	2000	Isuzu	Hombre	2.2	YGMXX02.2023	TLEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
159	2000	Isuzu	Hombre	2.2	YGMXT02.2122	LEV1 LEV	LDT1	S	TWC	1	1	U	DIRECT FIT	850655	ALL
160	1996	Oldsmobile	Cutlass Ciera	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
161	1998	Oldsmobile	88	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
162	1998	Oldsmobile	88	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
163	1998	Oldsmobile	Intrigue	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
164	1998	Oldsmobile	Intrigue	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
165	1998	Oldsmobile	Regency	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
166	1998	Oldsmobile	Regency	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
167	1999	Oldsmobile	88	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
168	1999	Oldsmobile	88	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
169	1999	Oldsmobile	88	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
170	1999	Oldsmobile	88	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
171	1999	Oldsmobile	Intrigue	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
172	1999	Oldsmobile	Intrigue	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
173	1999	Oldsmobile	Intrigue	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
174	1999	Oldsmobile	Intrigue	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
175	1996	Pontiac	Sunfire	2.2	TGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
176	1996	Pontiac	Sunfire	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
177	1996	Pontiac	Sunfire	2.2	TGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
178	1996	Pontiac	Sunfire	2.2	TGM2.2V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
179	1997	Pontiac	Grand Prix	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
180	1997	Pontiac	Grand Prix	3.8	VGM3.8V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
181	1997	Pontiac	Sunfire	2.2	VGM2.2V8G1FK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
182	1997	Pontiac	Sunfire	2.2	VGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
183	1997	Pontiac	Sunfire	2.2	VGM2.2V8G1FK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
184	1997	Pontiac	Sunfire	2.2	VGM2.2V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
185	1998	Pontiac	Bonneville	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
186	1998	Pontiac	Bonneville	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
187	1998	Pontiac	Grand Prix	3.1	WGMXV03.1042	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
188	1998	Pontiac	Grand Prix	3.1	WGMXV03.1042	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
189	1998	Pontiac	Grand Prix	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
190	1998	Pontiac	Grand Prix	3.8	WGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
191	1998	Pontiac	Sunfire	2.2	WGMXV02.2023	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
192	1998	Pontiac	Sunfire	2.2	WGMXV02.2023	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL

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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
193	1999	Pontiac	Bonneville	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
194	1999	Pontiac	Bonneville	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
195	1999	Pontiac	Bonneville	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
196	1999	Pontiac	Bonneville	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850659	ALL
197	1999	Pontiac	Firebird	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
198	1999	Pontiac	Firebird	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
199	1999	Pontiac	Firebird	3.8	XGMXV03.8048	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
200	1999	Pontiac	Firebird	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
201	1999	Pontiac	Grand Prix	3.1	XGMXV03.4042	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
202	1999	Pontiac	Grand Prix	3.1	XGMXV03.4042	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
203	1999	Pontiac	Grand Prix	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
204	1999	Pontiac	Grand Prix	3.8	XGMXV03.8053	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
205	1999	Pontiac	Grand Prix	3.8	XGMXV03.8049	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
206	1999	Pontiac	Grand Prix	3.8	XGMXV03.8053	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
207	2000	Pontiac	Firebird	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
208	2000	Pontiac	Firebird	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
209	2000	Pontiac	Grand Prix	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
210	2000	Pontiac	Grand Prix	3.8	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
211	2001	Pontiac	Firebird	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
212	2001	Pontiac	Firebird	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
213	2001	Pontiac	Grand Prix	3.1	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
214	2001	Pontiac	Grand Prix	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
215	2001	Pontiac	Grand Prix	3.1	YGMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
216	2001	Pontiac	Grand Prix	3.1	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
217	2001	Pontiac	Grand Prix	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
218	2001	Pontiac	Grand Prix	3.8	1GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
219	2002	Pontiac	Firebird	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
220	2002	Pontiac	Firebird	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850660	ALL
221	2002	Pontiac	Grand Prix	3.1	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850618	ALL
222	2002	Pontiac	Grand Prix	3.1	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850662	ALL
223	2002	Pontiac	Grand Prix	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
224	2002	Pontiac	Grand Prix	3.8	2GMXV03.8043	LEV1 LEV	PC	S	TWC	1	1	U	DIRECT FIT	850663	ALL
225	1996	Saturn	SC1	1.9	TGM1.9V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
226	1996	Saturn	SC1	1.9	TGM1.9V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850650	ALL
227	1996	Saturn	SC2	1.9	TGM1.9VJGFEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
228	1996	Saturn	SC2	1.9	TGM1.9VJGFEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850650	ALL
229	1996	Saturn	SL1	1.9	TGM1.9V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
230	1996	Saturn	SL1	1.9	TGM1.9V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
231	1996	Saturn	SL2	1.9	TGM1.9VJGFEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
232	1996	Saturn	SL2	1.9	TGM1.9VJGFEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850650	ALL
233	1996	Saturn	SW1	1.9	TGM1.9V8G2EK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	850619	ALL
234	1996	Saturn	SW1	1.9	TGM1.9V8G2EK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	850652	ALL
235	1996	Saturn	SW2	1.9	TGM1.9VJGFEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	850612	ALL
236	1996	Saturn	SW2	1.9	TGM1.9VJGFEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	850650	ALL