

**State of California  
AIR RESOURCES BOARD**

**EXECUTIVE ORDER D-182-43**

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

Walker Manufacturing Company (d.b.a. Tenneco, Inc.)  
"Series 81500 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 Section 27156 and 38391.

WHEREAS, Walker Manufacturing Company (Walker) of 2701 North Dettman Road, Jackson, Michigan 49201, 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 81500 three-way catalytic converter (TWC) on selected 1996 through 2000 model year GM passenger cars and light-duty trucks 1 (LDT1) equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-182-43 and incorporated herein. Series 81500 TWC will be used as replacement on vehicles equipped with single catalytic converter system as listed in Appendix D-182-43. This 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 Johnson Matthey Catalysts (Johnson Matthey) 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" as adopted on October 25, 2007.

WHEREAS, previous emissions and OBD II compatibility tests conducted by Walker Manufacturing Company using a 2000 3.8L Chevrolet Camaro, test group YGMXV03.8043, certified to passenger car weight category and Low Emission Vehicle (PC, LEV) standards. The catalytic converter was installed and tested on the vehicle. The following are the test results in grams per mile:

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
PC 100K LEV standards	0.090	4.2	0.3
Series 81500 TWC Tests 1 & 2	0.087	1.0	0.2
Series 81500 TWC Tests 1 & 2	0.081	0.7	0.1


THEREFORE, IT IS HEREBY RESOLVED that Walker Manufacturing Company's Series 81500 TWC are exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-182-43 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 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 these products 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 Walker Manufacturing Company, 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. Walker Manufacturing Company'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. Walker Manufacturing Company 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 it 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. Walker Manufacturing Company, its associates, vendors, other businesses and individuals associated with Walker Manufacturing Company 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. Walker Manufacturing Company 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 on a semi-annual basis, starting with periods covering January 1 through March 31, 2009 and January 1 through June 30, 2009, respectively.
12. Walker Manufacturing Company 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. Walker Manufacturing Company's vehicle application catalog must conform with the requirements 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 24<sup>th</sup> day of December 2008.

  
for Annette Hebert, Chief  
Mobile Source Operations Division

## Appendix D-182-43

## Walker Manufacturing Company 81500

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	Lesabre	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
2	1996	Buick	Park Avenue	3.8	TGM3.8V8GFFK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
3	1996	Buick	Park Avenue	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
4	1996	Buick	Regal	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
5	1996	Buick	Riviera	3.8	TGM3.8V8GFFK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
6	1996	Buick	Riviera	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
7	1997	Buick	Century	3.8	VGM3.8V8G1FK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
8	1997	Buick	Lesabre	3.8	VGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
9	1998	Buick	Park Avenue	3.8	WGMXV03.8051	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
10	1998	Buick	Riviera	3.8	WGMXV03.8051	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
11	1996	Cadillac	Deville	4.6	TGM4.6VJGFEL	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
12	1996	Cadillac	Deville	4.6	TGM4.6VJGFEL	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
13	1996	Cadillac	Eldorado	4.6	TGM4.6VJGFEL	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
14	1996	Cadillac	Eldorado	4.6	TGM4.6VJGFEL	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
15	1996	Cadillac	Seville	4.6	TGM4.6VJGFEL	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
16	1996	Cadillac	Seville	4.6	TGM4.6VJGFEL	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
17	1997	Cadillac	Deville	4.6	VGM4.6VJG1EK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
18	1997	Cadillac	Deville	4.6	VGM4.6VJGKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
19	1997	Cadillac	Deville	4.6	VGM4.6VJGKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
20	1997	Cadillac	Deville	4.6	VGM4.6VJG1EK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
21	1997	Cadillac	Eldorado	4.6	VGM4.6VJG1EK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
22	1997	Cadillac	Eldorado	4.6	VGM4.6VJG1EK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
23	1997	Cadillac	Seville	4.6	VGM4.6VJG1EK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
24	1997	Cadillac	Seville	4.6	VGM4.6VJG1EK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
25	1998	Cadillac	Deville	4.6	WGMXV04.6066	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
26	1998	Cadillac	Deville	4.6	WGMXV04.6065	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
27	1998	Cadillac	Deville	4.6	WGMXV04.6066	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
28	1998	Cadillac	Deville	4.6	WGMXV04.6065	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
29	1998	Cadillac	Eldorado	4.6	WGMXV04.6066	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
30	1998	Cadillac	Eldorado	4.6	WGMXV04.6066	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
31	1998	Cadillac	Seville	4.6	WGMXV04.6066	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
32	1999	Cadillac	Deville	4.6	XGMXV04.6067	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
33	1999	Cadillac	Deville	4.6	XGMXV04.6068	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
34	1999	Cadillac	Deville	4.6	XGMXV04.6067	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
35	1999	Cadillac	Deville	4.6	XGMXV04.6068	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
36	1999	Cadillac	Eldorado	4.6	XGMXV04.6068	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
37	1999	Cadillac	Eldorado	4.6	XGMXV04.6068	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	81541	ALL
38	1999	Cadillac	Seville	4.6	XGMXV04.6068	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
39	2000	Cadillac	Deville	4.6	YGMXV04.6065	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
40	2000	Cadillac	Eldorado	4.6	YGMXV04.6065	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
41	2000	Cadillac	Seville	4.6	YGMXV04.6065	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
42	1996	Chevrolet	Camaro	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
43	1996	Chevrolet	S10	2.2	TGM2.218GFKEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL

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## Walker Manufacturing Company 81500

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
44	1996	Chevrolet	S10	4.3	TGM4.31PGFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81506	ALL
45	1996	Chevrolet	S10	4.3	TGM4.31PGFEK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	81545	2WD
46	1997	Chevrolet	Camaro	3.8	VGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
47	1997	Chevrolet	S10	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL
48	1997	Chevrolet	S10	4.3	VGM4.31PG1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81506	ALL
49	1997	Chevrolet	S10	4.3	VGM4.31PG1EK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	81545	2WD
50	1998	Chevrolet	Camaro	3.8	WGMXV03.8049	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
51	1998	Chevrolet	S10	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL
52	1998	Chevrolet	S10	4.3	WGMXT04.3182	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81506	ALL
53	1998	Chevrolet	S10	4.3	WGMXT04.3182	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	81546	2WD
54	1996	GMC	Sonoma	2.2	TGM2.218GFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL
55	1996	GMC	Sonoma	4.3	TGM4.31PGFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81506	ALL
56	1996	GMC	Sonoma	4.3	TGM4.31PGFEK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	81545	2WD
57	1997	GMC	Sonoma	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL
58	1997	GMC	Sonoma	4.3	VGM4.31PG1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81506	ALL
59	1997	GMC	Sonoma	4.3	VGM4.31PG1EK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	81545	2WD
60	1998	GMC	Sonoma	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL
61	1998	GMC	Sonoma	4.3	WGMXT04.3182	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81506	ALL
62	1998	GMC	Sonoma	4.3	WGMXT04.3182	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	81546	2WD
63	1996	Isuzu	Hombre	2.2	TGM2.218GFEK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL
64	1997	Isuzu	Hombre	2.2	VGM2.218G1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL
65	1997	Isuzu	Hombre	4.3	VGM4.31PG1EK	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81506	ALL
66	1997	Isuzu	Hombre	4.3	VGM4.31PG1EK	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	81545	2WD
67	1998	Isuzu	Hombre	2.2	WGMXT02.2122	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81505	ALL
68	1998	Isuzu	Hombre	4.3	WGMXT04.3182	TIER1	LDT1	S	TWC	1	1	U	UNIVERSAL	81506	ALL
69	1998	Isuzu	Hombre	4.3	WGMXT04.3182	TIER1	LDT1	S	TWC	1	1	U	DIRECT FIT	81546	2WD
70	1996	Oldsmobile	88	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
71	1996	Oldsmobile	88	3.8	TGM3.8V8GFFK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
72	1996	Oldsmobile	98	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
73	1996	Oldsmobile	Aurora	4	TGM4.6VJGFEL	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
74	1996	Oldsmobile	LSS	3.8	TGM3.8V8GFFK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
75	1996	Oldsmobile	LSS	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
76	1997	Oldsmobile	88	3.8	VGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
77	1997	Oldsmobile	88	3.8	VGM3.8V8G1FK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
78	1997	Oldsmobile	Aurora	4	VGM4.6VJG1EK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
79	1997	Oldsmobile	LSS	3.8	VGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
80	1997	Oldsmobile	LSS	3.8	VGM3.8V8G1FK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
81	1997	Oldsmobile	Regency	3.8	VGM3.8V8G1FK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
82	1998	Oldsmobile	88	3.8	WGMXV03.8051	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
83	1998	Oldsmobile	Aurora	4	WGMXV04.6066	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
84	1998	Oldsmobile	LSS	3.8	WGMXV03.8051	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
85	1998	Oldsmobile	Regency	3.8	WGMXV03.8051	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
86	1999	Oldsmobile	88	3.8	XGMXV03.8052	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL

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## Walker Manufacturing Company 81500

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
87	1999	Oldsmobile	Aurora	4	XGMXV04.6068	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
88	1999	Oldsmobile	LSS	3.8	XGMXV03.8052	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
89	1996	Pontiac	Bonneville	3.8	TGM3.8V8GFFK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
90	1996	Pontiac	Bonneville	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81506	ALL
91	1996	Pontiac	Firebird	3.8	TGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
92	1997	Pontiac	Bonneville	3.8	VGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
93	1997	Pontiac	Bonneville	3.8	VGM3.8V8G1FK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
94	1997	Pontiac	Firebird	3.8	VGM3.8V8GKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
95	1998	Pontiac	Bonneville	3.8	WGMXV03.8051	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
96	1998	Pontiac	Firebird	3.8	WGMXV03.8049	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL
97	1999	Pontiac	Bonneville	3.8	XGMXV03.8052	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	81507	ALL