

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-709-5
Relating to Exemptions under Sections 27156 and 38391
of the Vehicle Code

Miller CAT Corporation
"Series 310000 Three-Way Catalytic Converter"

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, Miller CAT Corporation of 1533 Berger Drive, San Jose, California 95112, has applied to ARB for exemption from the prohibitions in VC Sections 27156 and 38391 to market its new aftermarket series 310000 three-way catalytic converter (TWC) on select 1998 through 2006 model-year passenger cars (PC) and light-duty trucks (LDT1) [0-3,750 lbs. LVW] equipped with on-board diagnostic II (OBD II) systems as specified in Appendix D-709-5 and incorporated herein. Series 310000 TWC will be used as a replacement on vehicles equipped with a single or dual exhaust configuration as listed in Appendix D-709-5. Series 310000 TWC will be sold as a universal or a direct fit part.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code (HSC) Section 39515 and in the Chief of the Emissions Compliance, Automotive Regulations and Science Division by HSC Section 39516 and Executive Order G-14-012, ARB finds that the above aftermarket catalytic converter complies 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 Umicore Automotive Catalysts USA using 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 Miller CAT Corporation using a 2002 model-year 2.4 liter Chrysler PT Cruiser (LEV I ULEV PC) with series 310000 TWC showed that the vehicle met the applicable emission standards and that series 310000 TWC 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 LEV I ULEV standards	0.055	2.1	0.3
PT Cruiser 310000 test 1	0.048	0.5	0.2
PT Cruiser 310000 test 2	0.047	0.5	0.2

WHEREAS, Miller CAT Corporation conducted proper malfunction indicator light illumination demonstration with series 310000 TWC on the same PT Cruiser and demonstrated compliance with the requirements in Section (e)(5)(B) of the Converter Evaluation Procedures.

THEREFORE, IT IS HEREBY RESOLVED that Miller CAT Corporation's series 310000 TWC is exempted from the prohibitions in VC Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-709-5 subject to the following conditions:

1. No changes are permitted to the catalytic converters as described in the application for exemption. Any changes to the catalytic converters or any of their components and other factors addressed in this Executive Order must be evaluated and approved by ARB prior to marketing in California.
2. Marketing of the catalytic converters using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converters for applications other than the ones shown in this Executive Order shall be prohibited unless prior approval is obtained from ARB. Exemption of these products shall not be construed as an exemption to sell, offer for sale, or advertise any components of the catalytic converters as individual devices.
3. Any oral or written references to this Executive Order or its content by Miller CAT Corporation, its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any emission reduction claims for the catalytic converters and is only a finding that the catalytic converters are exempt from the prohibitions in VC Sections 27156 and 38391.
4. Miller CAT Corporation's installation instructions for the new catalytic converters must conform to requirements in Section (h) of the Converter Evaluation Procedures.
5. Installation of the catalytic converters shall not cause the relocation of any oxygen sensors. Oxygen sensors must be installed in the same location, position and orientation as prescribed in the original equipment manufacturer's configurations.
6. Upon installation, the catalytic converters must carry a manufacturer's warranty for five (5) years or 50,000 miles as prescribed in Section (f)(2) of the Converter Evaluation Procedures.
7. Miller CAT Corporation and its vendors may not advertise the new aftermarket catalytic converters as "high flow" or "easy flow" catalytic converters or use any phrase that could make them appear to perform better than the original equipment manufacturer catalytic converters.
8. Any marketing arrangement of the new aftermarket catalytic converters by a third party, which involves the use of packaging identification different from the ones described in this Executive Order, must be approved by ARB prior to shipment.
9. Miller CAT Corporation, its associates, vendors, other businesses and individuals associated with Miller CAT Corporation 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. Miller CAT Corporation 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. Miller CAT Corporation must provide a permanent label or stamp as specified under Section (f)(1) of the Converter Evaluation Procedures.
13. Miller CAT Corporation'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 10th day of November 2016.



Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Appendix D-709-5
Miller CAT Corporation 310000

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	2001	Audi	A4 Quattro	1.8	1AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
2	2001	Audi	A4 Quattro	1.8	1AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
3	2001	Audi	A4	1.8	1AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
4	2001	Audi	A4	1.8	1AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
5	2002	Audi	A4 Quattro	1.8	2AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
6	2002	Audi	A4 Quattro	1.8	2AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
7	2002	Audi	A4	1.8	2AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
8	2002	Audi	A4	1.8	2AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
9	2003	Audi	A4 Quattro	1.8	3AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
10	2003	Audi	A4 Quattro	1.8	3AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
11	2003	Audi	A4	1.8	3AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
12	2003	Audi	A4	1.8	3AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
13	2004	Audi	A4 Quattro	1.8	4AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
14	2004	Audi	A4 Quattro	1.8	4AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
15	2004	Audi	A4	1.8	4AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
16	2004	Audi	A4	1.8	4AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
17	2005	Audi	A4 Quattro	1.8	5AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
18	2005	Audi	A4 Quattro	1.8	5AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
19	2005	Audi	A4	1.8	5AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
20	2005	Audi	A4	1.8	5AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
21	2006	Audi	A4	1.8	6AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
22	2004	Cadillac	CTS	3.2	4GM XV03.2061	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
23	2004	Cadillac	CTS	3.2	4GM XV03.2061	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
24	2004	Chevrolet	Cavalier	2.2	4GM XV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
25	2004	Chevrolet	Malibu	3.5	4GM XV03.8041	LEV1 ULEV	PC	D	2TWC	2	2	FL	UNIVERSAL	310004	ALL
26	2004	Chevrolet	Malibu	3.5	4GM XV03.8041	LEV1 ULEV	PC	D	2TWC	2	2	FR	UNIVERSAL	310004	ALL
27	2005	Chevrolet	Cavalier	2.2	5GM XV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
28	2005	Chevrolet	Cobalt	2	5GM XV02.0018	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
29	2006	Chevrolet	Cobalt	2	6GM XV02.0018	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
30	2001	Chrysler	PT Cruiser	2.4	1CR XV0148V40	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
31	2001	Chrysler	Sebring	2.4	1CR XV0148V40	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
32	2002	Chrysler	PT Cruiser	2.4	2CR XV0148V40	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
33	2002	Chrysler	PT Cruiser	2.4	2CR XV0148V41	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
34	2004	Chrysler	PT Cruiser	2.4	4CR XV02.4VH0	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
35	2004	Chrysler	PT Cruiser	2.4	4CR XV02.4VH1	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
36	2004	Chrysler	Sebring	2.7	4CR XV02.7VH0	LEV1 ULEV	PC	DS	2TWC	2	2	FL	UNIVERSAL	310004	ALL
37	2004	Chrysler	Sebring	2.7	4CR XV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FL	UNIVERSAL	310004	ALL
38	2004	Chrysler	Sebring	2.7	4CR XV02.7VH0	LEV1 ULEV	PC	DS	2TWC	2	2	FL	DIRECT FIT	310101	ALL
39	2004	Chrysler	Sebring	2.7	4CR XV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FL	DIRECT FIT	310101	ALL
40	2004	Chrysler	Sebring	2.7	4CR XV02.7VH0	LEV1 ULEV	PC	DS	2TWC	2	2	FR	UNIVERSAL	310004	ALL
41	2004	Chrysler	Sebring	2.7	4CR XV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FR	UNIVERSAL	310004	ALL

Appendix D-709-5
Miller CAT Corporation 310000

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	Chrysler	Sebring	2.7	4CRXV02.7VH0	LEV1 ULEV	PC	DS	2TWC	2	2	FR	DIRECT FIT	310102	ALL
43	2004	Chrysler	Sebring	2.7	4CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FR	DIRECT FIT	310102	ALL
44	2005	Chrysler	300	2.7	5CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
45	2005	Chrysler	300	2.7	5CRXV03.5VH1	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
46	2005	Chrysler	300	2.7	5CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
47	2005	Chrysler	300	2.7	5CRXV03.5VH1	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
48	2005	Chrysler	300	3.5	5CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
49	2005	Chrysler	300	3.5	5CRXV03.5VH1	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
50	2005	Chrysler	300	3.5	5CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
51	2005	Chrysler	300	3.5	5CRXV03.5VH1	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
52	2005	Chrysler	PT Cruiser	2.4	5CRXV02.4VH0	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
53	2005	Chrysler	Sebring	2.7	5CRXV02.7VE0	LEV1 ULEV	PC	DS	2TWC	2	2	FL	UNIVERSAL	310004	ALL
54	2005	Chrysler	Sebring	2.7	5CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FL	UNIVERSAL	310004	ALL
55	2005	Chrysler	Sebring	2.7	5CRXV02.7VE0	LEV1 ULEV	PC	DS	2TWC	2	2	FL	DIRECT FIT	310101	ALL
56	2005	Chrysler	Sebring	2.7	5CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FL	DIRECT FIT	310101	ALL
57	2005	Chrysler	Sebring	2.7	5CRXV02.7VE0	LEV1 ULEV	PC	DS	2TWC	2	2	FR	UNIVERSAL	310004	ALL
58	2005	Chrysler	Sebring	2.7	5CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FR	UNIVERSAL	310004	ALL
59	2005	Chrysler	Sebring	2.7	5CRXV02.7VE0	LEV1 ULEV	PC	DS	2TWC	2	2	FR	DIRECT FIT	310102	ALL
60	2005	Chrysler	Sebring	2.7	5CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FR	DIRECT FIT	310102	ALL
61	2006	Chrysler	300	2.7	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
62	2006	Chrysler	300	2.7	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
63	2006	Chrysler	300	3.5	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
64	2006	Chrysler	300	3.5	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
65	2000	Dodge	Neon	2	YCRXV0122V40	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
66	2001	Dodge	Neon	2	1CRXV0122V40	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
67	2001	Dodge	Stratus	2.4	1CRXV0148V40	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
68	2003	Dodge	Neon	2	3CRXV02.0VD1	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
69	2004	Dodge	Neon	2	4CRXV02.0VH0	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
70	2004	Dodge	Neon	2.4	4CRXV02.4VH0	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
71	2004	Dodge	Stratus	2.7	4CRXV02.7VH0	LEV1 ULEV	PC	DS	2TWC	2	2	FL	UNIVERSAL	310004	ALL
72	2004	Dodge	Stratus	2.7	4CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FL	UNIVERSAL	310004	ALL
73	2004	Dodge	Stratus	2.7	4CRXV02.7VH0	LEV1 ULEV	PC	DS	2TWC	2	2	FL	DIRECT FIT	310101	ALL
74	2004	Dodge	Stratus	2.7	4CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FL	DIRECT FIT	310101	ALL
75	2004	Dodge	Stratus	2.7	4CRXV02.7VH0	LEV1 ULEV	PC	DS	2TWC	2	2	FR	UNIVERSAL	310004	ALL
76	2004	Dodge	Stratus	2.7	4CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FR	UNIVERSAL	310004	ALL
77	2004	Dodge	Stratus	2.7	4CRXV02.7VH0	LEV1 ULEV	PC	DS	2TWC	2	2	FR	DIRECT FIT	310102	ALL
78	2004	Dodge	Stratus	2.7	4CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FR	DIRECT FIT	310102	ALL
79	2005	Dodge	Magnum	2.7	5CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
80	2005	Dodge	Magnum	2.7	5CRXV03.5VH1	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
81	2005	Dodge	Magnum	2.7	5CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
82	2005	Dodge	Magnum	2.7	5CRXV03.5VH1	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL

Appendix D-709-5
Miller CAT Corporation 310000

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	2005	Dodge	Magnum	3.5	5CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
84	2005	Dodge	Magnum	3.5	5CRXV03.5VH1	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
85	2005	Dodge	Magnum	3.5	5CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
86	2005	Dodge	Magnum	3.5	5CRXV03.5VH1	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
87	2005	Dodge	Neon	2	5CRXV02.0VH0	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
88	2005	Dodge	Neon	2.4	5CRXV02.4VH0	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
89	2005	Dodge	Stratus	2.7	5CRXV02.7VE0	LEV1 ULEV	PC	DS	2TWC	2	2	FL	UNIVERSAL	310004	ALL
90	2005	Dodge	Stratus	2.7	5CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FL	UNIVERSAL	310004	ALL
91	2005	Dodge	Stratus	2.7	5CRXV02.7VE0	LEV1 ULEV	PC	DS	2TWC	2	2	FL	DIRECT FIT	310101	ALL
92	2005	Dodge	Stratus	2.7	5CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FL	DIRECT FIT	310101	ALL
93	2005	Dodge	Stratus	2.7	5CRXV02.7VE0	LEV1 ULEV	PC	DS	2TWC	2	2	FR	UNIVERSAL	310004	ALL
94	2005	Dodge	Stratus	2.7	5CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FR	UNIVERSAL	310004	ALL
95	2005	Dodge	Stratus	2.7	5CRXV02.7VHP	LEV1 ULEV	PC	DS	2TWC	2	2	FR	DIRECT FIT	310101	ALL
96	2005	Dodge	Stratus	2.7	5CRXV02.7VE0	LEV1 ULEV	PC	DS	2TWC	2	2	FR	DIRECT FIT	310102	ALL
97	2006	Dodge	Charger	2.7	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
98	2006	Dodge	Charger	2.7	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
99	2006	Dodge	Charger	3.5	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
100	2006	Dodge	Charger	3.5	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
101	2006	Dodge	Magnum	2.7	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
102	2006	Dodge	Magnum	2.7	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
103	2006	Dodge	Magnum	3.5	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
104	2006	Dodge	Magnum	3.5	6CRXV03.5VH0	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
105	2002	Ford	Focus	2	2FMXV02.0VJ3	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310045	ALL
106	2002	Ford	Focus	2	2FMXV02.0VJ4	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310045	ALL
107	2002	Ford	Focus	2	2FMXV02.0VJ3	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310004	ALL
108	2002	Ford	Focus	2	2FMXV02.0VJ4	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310004	ALL
109	2004	Ford	Focus	2	4FMXV02.0VH1	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310045	ALL
110	2004	Ford	Focus	2	4FMXV02.0VF4	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310045	ALL
111	2004	Ford	Focus	2	4FMXV02.0VH1	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310004	ALL
112	2004	Ford	Focus	2	4FMXV02.0VF4	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310004	ALL
113	1998	Honda	Accord	2.3	WHNXV02.3PL4	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
114	1998	Honda	Accord	2.3	WHNXV02.3PL4	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310104	ALL
115	1999	Honda	Accord	2.3	XHNXV02.3PL4	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
116	1999	Honda	Accord	2.3	XHNXV02.3PL4	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310104	ALL
117	2000	Honda	Accord	2.3	YHNXV02.3PL4	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
118	2000	Honda	Accord	2.3	YHNXV02.3PL4	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310104	ALL
119	2001	Honda	Accord	2.3	1HNXV02.3W87	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
120	2001	Honda	Accord	2.3	1HNXV02.3W87	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310104	ALL
121	2001	Honda	Civic	1.7	1HNXV01.7XJ9	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
122	2001	Honda	Civic	1.7	1HNXV01.7XJ9	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310105	ALL
123	2002	Honda	Accord	2.3	2HNXV02.3MJT	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL

Appendix D-709-5
Miller CAT Corporation 310000

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	2002	Honda	Accord	2.3	2HNXV02.3MJT	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310104	ALL
125	2002	Honda	Civic	1.7	2HNXV01.7NA5	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
126	2002	Honda	Civic	1.7	2HNXV01.7NA5	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310105	ALL
127	2003	Honda	Civic	1.7	3HNXV01.7VA5	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
128	2003	Honda	Civic	1.7	3HNXV01.7VA5	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310105	ALL
129	2004	Honda	Civic	1.7	4HNXV01.7VA6	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
130	2004	Honda	Civic	1.7	4HNXV01.7VA6	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310105	ALL
131	2005	Honda	Civic	1.7	5HNXV01.7FA6	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
132	2005	Honda	Civic	1.7	5HNXV01.7FA6	LEV1 ULEV	PC	S	TWC	1	1	U	DIRECT FIT	310105	ALL
133	2005	Lincoln	LS	3	5FMXV03.01H2	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310045	ALL
134	2005	Lincoln	LS	3	5FMXV03.01H2	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310045	ALL
135	2005	Lincoln	LS	3.9	5FMXV03.91H5	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310094	ALL
136	2005	Lincoln	LS	3.9	5FMXV03.91H5	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310094	ALL
137	2006	Lincoln	LS	3.9	6FMXV03.91H5	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310094	ALL
138	2006	Lincoln	LS	3.9	6FMXV03.91H5	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310094	ALL
139	2003	Mazda	6	2.3	3TKXV02.3EJ1	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310046	ALL
140	2004	Mazda	6	2.3	4TKXV02.3BJ1	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310046	ALL
141	2004	Mercedes-Benz	SLK230	2.3	4MBXV02.3LBI	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310006	ALL
142	2006	Mitsubishi	Lancer	2.4	6MTXV02.4G2G	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
143	2006	Mitsubishi	Outlander	2.4	6MTXT02.4G2G	LEV1 ULEV	LDT1	S	TWC	1	1	U	UNIVERSAL	310005	ALL
144	2004	Oldsmobile	Alero	2.2	4GMXV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
145	2001	Plymouth	Neon	2	1CRXV0122V40	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310045	ALL
146	2004	Pontiac	Grand Am	2.2	4GMXV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
147	2004	Pontiac	Sunfire	2.2	4GMXV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
148	2005	Pontiac	Grand Am	2.2	5GMXV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
149	2005	Pontiac	Sunfire	2.2	5GMXV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
150	2006	Pontiac	G6	3.9	6GMXV03.9041	LEV1 ULEV	PC	D	2TWC	2	2	UL	UNIVERSAL	310005	ALL
151	2006	Pontiac	G6	3.9	6GMXV03.9041	LEV1 ULEV	PC	D	2TWC	2	2	UR	UNIVERSAL	310005	ALL
152	2006	Pontiac	Solstice	2.4	6GMXV02.4031	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310006	ALL
153	2004	Saab	9/3/2018	2	4GMXV02.0002	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310006	ALL
154	2004	Saab	9/3/2018	2	4GMXV02.0002	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310103	ALL
155	2005	Saab	9/3/2018	2	5GMXV02.0002	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310006	ALL
156	2005	Saab	9/3/2018	2	5GMXV02.0003	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310006	ALL
157	2005	Saab	9/3/2018	2	5GMXV02.0002	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310103	ALL
158	2005	Saab	9/3/2018	2	5GMXV02.0003	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310103	ALL
159	2006	Saab	9/3/2018	2	6GMXV02.0003	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310006	ALL
160	2006	Saab	9/3/2018	2	6GMXV02.0003	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310103	ALL
161	2001	Saturn	L100	2.2	1GMXV02.2023	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
162	2001	Saturn	L200	2.2	1GMXV02.2023	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
163	2001	Saturn	LW200	2.2	1GMXV02.2023	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
164	2002	Saturn	L100	2.2	2GMXV02.2023	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL

Appendix D-709-5
Miller CAT Corporation 310000

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	2002	Saturn	L200	2.2	2GMXV02.2023	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
166	2002	Saturn	LW200	2.2	2GMXV02.2023	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
167	2003	Saturn	L200	2.2	3GMXV02.2027	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
168	2003	Saturn	LW200	2.2	3GMXV02.2027	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
169	2004	Saturn	Ion	2	4GMXV02.0018	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
170	2004	Saturn	Ion	2.2	4GMXV02.2026	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
171	2004	Saturn	L300	2.2	4GMXV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
172	2004	Saturn	Vue	2.2	4GMXT02.2123	LEV1 ULEV	LDT1	S	TWC	1	1	U	UNIVERSAL	310006	ALL
173	2005	Saturn	Ion	2	5GMXV02.0018	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
174	2005	Saturn	L300	2.2	5GMXV02.2025	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310004	ALL
175	2005	Saturn	Vue	2.2	5GMXT02.2123	LEV1 ULEV	LDT1	S	TWC	1	1	U	UNIVERSAL	310006	ALL
176	2006	Saturn	Ion	2	6GMXV02.0018	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
177	2006	Saturn	Vue	2.2	6GMXT02.2123	LEV1 ULEV	LDT1	S	TWC	1	1	U	UNIVERSAL	310006	ALL
178	2001	Volkswagen	Beetle	2	1VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
179	2001	Volkswagen	Beetle	2	1VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
180	2001	Volkswagen	Golf	2	1VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
181	2001	Volkswagen	Golf	2	1VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
182	2001	Volkswagen	Jetta	2	1VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
183	2001	Volkswagen	Jetta	2	1VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
184	2001	Volkswagen	Passat	1.8	1AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
185	2001	Volkswagen	Passat	1.8	1AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
186	2002	Volkswagen	Beetle	2	2VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
187	2002	Volkswagen	Beetle	2	2VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
188	2002	Volkswagen	Golf	2	2VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
189	2002	Volkswagen	Golf	2	2VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
190	2002	Volkswagen	Jetta	2	2VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
191	2002	Volkswagen	Jetta	2	2VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
192	2002	Volkswagen	Passat	1.8	2AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
193	2002	Volkswagen	Passat	1.8	2AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
194	2003	Volkswagen	Beetle	2	3VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
195	2003	Volkswagen	Beetle	2	3VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
196	2003	Volkswagen	Golf	2	3VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
197	2003	Volkswagen	Golf	2	3VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
198	2003	Volkswagen	Jetta	2	3VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
199	2003	Volkswagen	Jetta	2	3VWXV02.0223	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
200	2003	Volkswagen	Passat	1.8	3AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
201	2003	Volkswagen	Passat	1.8	3AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
202	2004	Volkswagen	Golf	1.8	4AD XV01.8356	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
203	2004	Volkswagen	Jetta	1.8	4AD XV01.8356	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
204	2004	Volkswagen	Passat	1.8	4AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
205	2004	Volkswagen	Passat	1.8	4AD XV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL

Appendix D-709-5															
Miller CAT Corporation 310000															
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	2005	Volkswagen	Golf	1.8	5ADXV01.8356	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
207	2005	Volkswagen	Golf	1.8	5ADXV01.8356	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
208	2005	Volkswagen	Jetta	1.8	5ADXV01.8356	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310044	ALL
209	2005	Volkswagen	Jetta	1.8	5ADXV01.8356	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310005	ALL
210	2005	Volkswagen	Passat	1.8	5ADXV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	DIRECT FIT	310100	ALL
211	2005	Volkswagen	Passat	1.8	5ADXV01.8342	LEV1 ULEV	PC	S	TWC	1	1	F	UNIVERSAL	310005	ALL
212	2001	Volvo	S60	2.4	1VVXV2.43U5N	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310006	ALL
213	2001	Volvo	V70	2.4	1VVXV2.43U5N	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310006	ALL
214	2002	Volvo	S60	2.4	2VVXV2.43U5N	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310006	FWD
215	2002	Volvo	V70	2.4	2VVXV2.43U5N	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310006	FWD
216	2003	Volvo	S60	2.4	3VVXV2.43U1N	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310006	FWD
217	2003	Volvo	V70	2.4	3VVXV2.43U1N	LEV1 ULEV	PC	S	TWC	1	1	U	UNIVERSAL	310006	FWD