

**State of California
AIR RESOURCES BOARD**

EXECUTIVE ORDER D-562-45

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

Valina, Inc. (d.b.a. CarTex)
"Series 12200 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, Valina, Inc. (Valina) of 4560 Worth Street, Los Angeles, California 90063, 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 12200 three-way catalytic converters (TWC) on selected 1996 through 2005 model year medium-duty vehicles equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-562-45 and incorporated herein. Series 12200 TWCs will be used for dual exhaust systems with a single catalytic converter (one unit) in each exhaust bank. The catalytic converters 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 converters comply 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 Automotive Catalysts USA 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 Valina, Inc. using a vehicle of weight classification and exhaust configuration similar to those listed in Appendix D-562-45 and certified to Low Emission Vehicle (LEV) standards resulted in the issuance of Executive Order D-562-3, it was determined that the installation of Series 12200 TWC on the vehicles listed in Appendix D-562-45 meets the requirements of California regulation for aftermarket catalytic converters.

THEREFORE, IT IS HEREBY RESOLVED that Valina, Inc.'s Series 12200 TWCs are exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-562-45 subject to the following conditions:

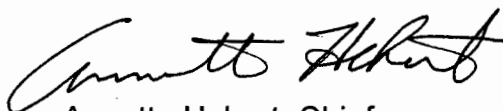
1. No changes are permitted to the catalytic converters as described in the application for exemption. Any changes to the catalytic converters or any of their components, and other factors addressed in this order must be evaluated and approved by the Air Resources Board prior to marketing in California.
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 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 converters as individual devices.
3. Any oral or written references to this Executive Order or its content by Valina, 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 converters and is only a finding that the catalytic converters are exempt from the prohibitions of Vehicle Code Sections 27156 and 38391.
4. Valina, Inc.'s installation instructions for the new catalytic converters 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 converters 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 converters 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. Valina, Inc. 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 (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. Valina, Inc., its associates, vendors, other businesses and individuals associated with Valina, Inc. may not sell or supply new aftermarket catalytic converter substrates to a third party to be assembled in a different facility and marketed under this Executive Order without approval from the Air Resources Board.

10. Valina, 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 on a semi-annual basis.
12. Valina, 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. Valina, Inc.'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.

Executive Order D-562-36 dated July 7, 2009, is hereby superseded and of no further force and effect.

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 19 day of October 2010.



Annette Hebert, Chief
Mobile Source Operations Division

Appendix D-562-45

Valina, Inc. 12200

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	2000	BMW	X5	4.4	YBMXT04.453M	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12230	ALL
2	2001	BMW	X5	4.4	1BMXT04.4E53	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12230	ALL
3	2002	BMW	X5	4.4	2BMXT04.4E53	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12230	ALL
4	2002	BMW	X5	4.6	2BMXT04.6XHP	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12230	ALL
5	2003	BMW	X5	4.4	38MXT04.4E53	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12230	ALL
6	2003	BMW	X5	4.6	3BMXT04.6XHP	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12230	ALL
7	2004	BMW	X5	4.4	4BMXT04.4N62	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12230	ALL
8	2004	BMW	X5	4.4	5BMXT04.8N62	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12230	ALL
9	2004	Buick	Rainier	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
10	1999	Cadillac	Escalade	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
11	1999	Cadillac	Escalade	5.7	XGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
12	1999	Cadillac	Escalade	5.7	XGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
13	2002	Cadillac	Escalade	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
14	2003	Cadillac	Escalade	6	3GMXT06.0187	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
15	1996	Chevrolet	C1500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
16	1996	Chevrolet	C1500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
17	1996	Chevrolet	C2500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
18	1996	Chevrolet	C2500 Suburban	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
19	1996	Chevrolet	C2500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
20	1996	Chevrolet	C2500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
21	1996	Chevrolet	C3500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
22	1996	Chevrolet	C3500	5.7	TGM5.75PG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
23	1996	Chevrolet	C3500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
24	1996	Chevrolet	K1500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
25	1996	Chevrolet	K1500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
26	1996	Chevrolet	K2500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
27	1996	Chevrolet	K2500 Suburban	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
28	1996	Chevrolet	K2500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
29	1996	Chevrolet	K2500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
30	1996	Chevrolet	K3500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
31	1996	Chevrolet	K3500	5.7	TGM5.75PG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
32	1996	Chevrolet	K3500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
33	1996	Chevrolet	Tahoe	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
34	1996	Chevrolet	Tahoe	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
35	1997	Chevrolet	C1500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
36	1997	Chevrolet	C1500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
37	1997	Chevrolet	C1500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
38	1997	Chevrolet	C2500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
39	1997	Chevrolet	C2500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
40	1997	Chevrolet	C2500 Suburban	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
41	1997	Chevrolet	C2500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
42	1997	Chevrolet	C2500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
43	1997	Chevrolet	C3500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
44	1997	Chevrolet	C3500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
45	1997	Chevrolet	K1500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL

Appendix D-562-45

Valina, Inc. 12200

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
46	1997	Chevrolet	K1500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
47	1997	Chevrolet	K1500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
48	1997	Chevrolet	K2500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
49	1997	Chevrolet	K2500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
50	1997	Chevrolet	K2500 Suburban	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
51	1997	Chevrolet	K2500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
52	1997	Chevrolet	K2500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
53	1997	Chevrolet	K3500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
54	1997	Chevrolet	K3500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
55	1997	Chevrolet	Tahoe	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
56	1997	Chevrolet	Tahoe	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
57	1997	Chevrolet	Tahoe	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
58	1998	Chevrolet	C1500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
59	1998	Chevrolet	C1500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
60	1998	Chevrolet	C1500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
61	1998	Chevrolet	C1500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
62	1998	Chevrolet	C1500	5.7	WGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
63	1998	Chevrolet	C2500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
64	1998	Chevrolet	C2500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
65	1998	Chevrolet	C2500 Suburban	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
66	1998	Chevrolet	C2500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
67	1998	Chevrolet	C2500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
68	1998	Chevrolet	C2500	5.7	WGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
69	1998	Chevrolet	C2500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
70	1998	Chevrolet	C3500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
71	1998	Chevrolet	C3500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
72	1998	Chevrolet	C3500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
73	1998	Chevrolet	K1500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
74	1998	Chevrolet	K1500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
75	1998	Chevrolet	K1500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
76	1998	Chevrolet	K1500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
77	1998	Chevrolet	K1500	5.7	WGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
78	1998	Chevrolet	K2500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
79	1998	Chevrolet	K2500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
80	1998	Chevrolet	K2500 Suburban	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
81	1998	Chevrolet	K2500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
82	1998	Chevrolet	K2500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
83	1998	Chevrolet	K2500	5.7	WGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
84	1998	Chevrolet	K2500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
85	1998	Chevrolet	K3500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
86	1998	Chevrolet	K3500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
87	1998	Chevrolet	K3500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
88	1998	Chevrolet	Tahoe	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
89	1998	Chevrolet	Tahoe	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
90	1998	Chevrolet	Tahoe	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL

Appendix D-562-45

Valina, Inc. 12200

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
91	1999	Chevrolet	C1500 Suburban	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
92	1999	Chevrolet	C1500 Suburban	5.7	XGMXA05.7187	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
93	1999	Chevrolet	C1500 Suburban	5.7	XGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
94	1999	Chevrolet	C1500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
95	1999	Chevrolet	C1500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
96	1999	Chevrolet	C1500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
97	1999	Chevrolet	C1500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
98	1999	Chevrolet	C2500 Suburban	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
99	1999	Chevrolet	C2500 Suburban	5.7	XGMXA05.7187	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
100	1999	Chevrolet	C2500 Suburban	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
101	1999	Chevrolet	C2500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
102	1999	Chevrolet	C2500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
103	1999	Chevrolet	C2500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
104	1999	Chevrolet	C2500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
105	1999	Chevrolet	C2500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
106	1999	Chevrolet	C3500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
107	1999	Chevrolet	C3500	5.7	XGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
108	1999	Chevrolet	C3500	6	XGMXA06.0183	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
109	1999	Chevrolet	C3500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
110	1999	Chevrolet	Express 2500	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
111	1999	Chevrolet	Express 3500	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
112	1999	Chevrolet	Express 3500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
113	1999	Chevrolet	K1500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
114	1999	Chevrolet	K1500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
115	1999	Chevrolet	K1500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
116	1999	Chevrolet	K1500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
117	1999	Chevrolet	K2500 Suburban	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
118	1999	Chevrolet	K2500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
119	1999	Chevrolet	K2500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
120	1999	Chevrolet	K2500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
121	1999	Chevrolet	K2500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
122	1999	Chevrolet	K2500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
123	1999	Chevrolet	K3500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
124	1999	Chevrolet	K3500	5.7	XGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
125	1999	Chevrolet	K3500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
126	1999	Chevrolet	Silverado 2500	6	XGMXA06.0182	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
127	1999	Chevrolet	Tahoe	5.7	XGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
128	1999	Chevrolet	Tahoe	5.7	XGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
129	1999	Chevrolet	Tahoe	5.7	XGMXA05.7187	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
130	2000	Chevrolet	C2500	5.7	YGMXA05.7191	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
131	2000	Chevrolet	C2500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
132	2000	Chevrolet	C3500	5.7	YGMXA05.7191	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
133	2000	Chevrolet	C3500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
134	2000	Chevrolet	K2500	5.7	YGMXA05.7191	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
135	2000	Chevrolet	K2500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL

Appendix D-562-45

Valina, Inc. 12200

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
136	2000	Chevrolet	K2500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
137	2000	Chevrolet	K3500	5.7	YGMXA05.7191	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
138	2000	Chevrolet	K3500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
139	2000	Chevrolet	Silverado 1500	4.3	YGMXT04.3184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
140	2000	Chevrolet	Silverado 1500	4.3	YGMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
141	2000	Chevrolet	Silverado 1500	5.3	YGMXA05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
142	2000	Chevrolet	Silverado 1500	5.3	YGMXA05.3181	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
143	2000	Chevrolet	Silverado 2500	4.3	YGMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
144	2000	Chevrolet	Silverado 2500	5.3	YGMXA05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
145	2000	Chevrolet	Tahoe	5.3	YGMXA05.3181	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
146	2000	Chevrolet	Tahoe	5.7	YGMXA05.7194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
147	2001	Chevrolet	Express 2500	6	1GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
148	2001	Chevrolet	Express 3500	6	1GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
149	2001	Chevrolet	Silverado 1500	4.3	1GMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
150	2001	Chevrolet	Silverado 1500	5.3	1GMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
151	2001	Chevrolet	Silverado 2500	5.3	1GMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
152	2001	Chevrolet	Tahoe	5.3	1GMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
153	2002	Chevrolet	Express 1500	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
154	2002	Chevrolet	Express 2500	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
155	2003	Chevrolet	Express 1500	4.8	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
156	2003	Chevrolet	Express 1500	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
157	2003	Chevrolet	Express 1500	5.3	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
158	2003	Chevrolet	Express 2500	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
159	2003	Chevrolet	Express 2500	5.3	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
160	2003	Chevrolet	Silverado 1500	4.8	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
161	2003	Chevrolet	Silverado 1500	4.8	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
162	2003	Chevrolet	Silverado 1500	6	3GMXT06.0187	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
163	2003	Chevrolet	SSR	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
164	2003	Chevrolet	Tahoe	4.8	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
165	2003	Chevrolet	Trailblazer	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
166	2004	Chevrolet	Express 1500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
167	2004	Chevrolet	Express 2500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
168	2004	Chevrolet	Silverado 1500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
169	2004	Chevrolet	Silverado 1500	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
170	2004	Chevrolet	SSR	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
171	2004	Chevrolet	Trailblazer	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
172	2004	Dodge	Ram 1500	8.3	4CRXT08.35T0	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12260	ALL
173	2005	Dodge	Dakota	4.7	5CRXT04.75S0	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
174	2005	Dodge	Ram 1500	4.7	5CRXT04.75S0	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
175	2005	Dodge	Ram 2500	5.7	5CRXK05.7TX0	LEV1 LEV	MDV3	D	2TWC	2	2	F	UNIVERSAL	12260	ALL
176	2005	Dodge	Ram 3500	5.7	5CRXK05.7TX0	LEV1 LEV	MDV3	D	2TWC	2	2	F	UNIVERSAL	12260	ALL
177	1996	GMC	C1500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
178	1996	GMC	C1500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
179	1996	GMC	C2500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
180	1996	GMC	C2500 Suburban	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL

Appendix D-562-45

Valina, Inc. 12200

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
181	1996	GMC	C2500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
182	1996	GMC	C2500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
183	1996	GMC	C3500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
184	1996	GMC	C3500	5.7	TGM5.75PG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
185	1996	GMC	C3500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
186	1996	GMC	G3500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
187	1996	GMC	G3500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
188	1996	GMC	K1500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
189	1996	GMC	K1500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
190	1996	GMC	K2500 Suburban	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
191	1996	GMC	K2500 Suburban	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
192	1996	GMC	K2500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
193	1996	GMC	K2500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
194	1996	GMC	K3500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
195	1996	GMC	K3500	5.7	TGM5.75PG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
196	1996	GMC	K3500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
197	1996	GMC	Savana 2500	5.7	TGM5.75PGFEK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
198	1996	GMC	Savana 2500	7.4	TGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
199	1997	GMC	C1500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
200	1997	GMC	C1500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
201	1997	GMC	C1500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
202	1997	GMC	C2500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
203	1997	GMC	C2500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
204	1997	GMC	C2500 Suburban	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
205	1997	GMC	C2500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
206	1997	GMC	C2500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
207	1997	GMC	C3500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
208	1997	GMC	C3500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
209	1997	GMC	K1500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
210	1997	GMC	K1500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
211	1997	GMC	K1500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
212	1997	GMC	K2500 Suburban	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
213	1997	GMC	K2500 Suburban	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
214	1997	GMC	K2500 Suburban	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
215	1997	GMC	K2500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
216	1997	GMC	K2500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
217	1997	GMC	K3500	5.7	VGM5.7HPG1EK	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
218	1997	GMC	K3500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
219	1997	GMC	Savana 2500	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
220	1997	GMC	Savana 2500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
221	1997	GMC	Savana 3500	5.7	VGM5.7JPG1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
222	1997	GMC	Savana 3500	7.4	VGM7.4J8G1EK	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
223	1998	GMC	C1500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
224	1998	GMC	C1500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
225	1998	GMC	C1500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL

Appendix D-562-45

Valina, Inc. 12200

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
226	1998	GMC	C1500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
227	1998	GMC	C1500	5.7	WGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
228	1998	GMC	C2500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
229	1998	GMC	C2500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
230	1998	GMC	C2500 Suburban	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
231	1998	GMC	C2500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
232	1998	GMC	C2500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
233	1998	GMC	C2500	5.7	WGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
234	1998	GMC	C2500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
235	1998	GMC	C3500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
236	1998	GMC	C3500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
237	1998	GMC	C3500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
238	1998	GMC	K1500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
239	1998	GMC	K1500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
240	1998	GMC	K1500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
241	1998	GMC	K1500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
242	1998	GMC	K1500	5.7	WGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
243	1998	GMC	K2500 Suburban	5.7	WGMXA05.7185	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
244	1998	GMC	K2500 Suburban	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
245	1998	GMC	K2500 Suburban	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
246	1998	GMC	K2500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
247	1998	GMC	K2500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
248	1998	GMC	K2500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
249	1998	GMC	K3500	5.7	WGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
250	1998	GMC	K3500	5.7	WGMXA05.7184	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
251	1998	GMC	K3500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
252	1998	GMC	Savana 2500	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
253	1998	GMC	Savana 2500	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
254	1998	GMC	Savana 2500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
255	1998	GMC	Savana 3500	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
256	1998	GMC	Savana 3500	5.7	WGMXA05.7186	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
257	1998	GMC	Savana 3500	7.4	WGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
258	1999	GMC	C1500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
259	1999	GMC	C1500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
260	1999	GMC	C1500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
261	1999	GMC	C1500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
262	1999	GMC	C2500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
263	1999	GMC	C2500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
264	1999	GMC	C2500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
265	1999	GMC	C2500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
266	1999	GMC	C3500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
267	1999	GMC	C3500	5.7	XGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
268	1999	GMC	C3500	6	XGMXA06.0183	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
269	1999	GMC	K1500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
270	1999	GMC	K1500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL

Appendix D-562-45

Valina, Inc. 12200

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
271	1999	GMC	K1500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
272	1999	GMC	K1500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
273	1999	GMC	K2500	4.3	XGMXA04.3194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
274	1999	GMC	K2500	4.3	XGMXA04.3195	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
275	1999	GMC	K2500	4.8	XGMXA04.8184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
276	1999	GMC	K2500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
277	1999	GMC	K3500	5.7	XGMXA05.7182	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
278	1999	GMC	K3500	5.7	XGMXA05.7187	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
279	1999	GMC	Savana 3500	7.4	XGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
280	1999	GMC	Sierra 2500	6	XGMXA06.0182	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12220	ALL
281	1999	GMC	Sierra 2500	6	XGMXA06.0182	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
282	2000	GMC	C2500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
283	2000	GMC	C3500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
284	2000	GMC	K2500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
285	2000	GMC	K3500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12240	ALL
286	2000	GMC	Savana 3500	7.4	YGMXA07.4201	TIER1	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
287	2000	GMC	Sierra 1500	4.3	YGMXT04.3184	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
288	2000	GMC	Sierra 1500	4.3	YGMXA04.3190	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
289	2000	GMC	Sierra 1500	5.3	YGMXA05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
290	2000	GMC	Sierra 1500	5.3	YGMXA05.3181	TIER1	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
291	2000	GMC	Sierra 2500	4.3	YGMXA04.3190	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
292	2000	GMC	Sierra 2500	5.3	YGMXA05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
293	2001	GMC	Savana 2500	6	1GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
294	2001	GMC	Savana 3500	6	1GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
295	2001	GMC	Sierra 1500	4.3	1GMXA04.3190	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
296	2001	GMC	Sierra 1500	5.3	1GMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
297	2001	GMC	Sierra 2500	5.3	1GMXA05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
298	2002	GMC	Savana 1500	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
299	2002	GMC	Savana 2500	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
300	2002	GMC	Yukon	6	2GMXA06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
301	2003	GMC	Envoy	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
302	2003	GMC	Savana 1500	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
303	2003	GMC	Savana 1500	5.3	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
304	2003	GMC	Savana 2500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
305	2003	GMC	Savana 2500	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
306	2003	GMC	Savana 2500	5.3	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
307	2003	GMC	Sierra 1500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
308	2003	GMC	Sierra 1500	4.8	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
309	2003	GMC	Sierra 1500	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
310	2003	GMC	Yukon	4.8	3GMXT05.3184	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
311	2003	GMC	Yukon	6	3GMXT06.0187	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
312	2004	GMC	Savana 1500	4.3	4GMXT04.3184	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
313	2004	GMC	Savana 1500	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
314	2004	GMC	Savana 2500	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
315	2004	GMC	Sierra 1500	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL

Appendix D-562-45

Valina, Inc. 12200

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
316	2004	GMC	Yukon XL 1500	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
317	2003	Hummer	H2	6	3GMXT06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
318	2003	Hummer	H2	6	3GMXT06.0194	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12250	ALL
319	2004	Hummer	H2	6	4GMXT06.0194	LEV1 LEV	MDV3	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
320	2003		Ascender	5.3	3GMXT05.3183	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
321	2004	Isuzu	Ascender	5.3	4GMXT05.3170	LEV1 LEV	MDV2	D	2TWC	2	2	U	UNIVERSAL	12230	ALL
322	1995	Land Rover	Range Rover	4	SLR4.0H8GOEK	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
323	1996	Land Rover	Range Rover	4.6	TLR4.658GFFK	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
324	1997	Land Rover	Defender 90	4	VLR4.658GF EK	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
325	1997	Land Rover	Discovery	4	VLR4.058GFFK	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
326	1997	Land Rover	Discovery	4	VLR4.658GF EK	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
327	1997	Land Rover	Range Rover	4	VLR4.658GF EK	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
328	1997	Land Rover	Range Rover	4.6	VLR4.658GF EK	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
329	1999	Land Rover	Discovery	4.6	XLRXT04.6001	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
330	1999	Land Rover	Discovery	4.6	XLRXT04.6002	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
331	1999	Land Rover	Range Rover	4.6	XLRXT04.6001	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
332	1999	Land Rover	Range Rover	4.6	XLRXT04.6002	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
333	2001	Land Rover	Discovery	4.6	1LRXT04.6001	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
334	2001	Land Rover	Range Rover	4.6	1LRXT04.6001	TIER1	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
335	2002	Land Rover	Discovery	4	2LRXT04.6003	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
336	2003	Land Rover	Range Rover	4.4	3LRXT04.4001	LEV1 LEV	MDV3	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
337	2004	Land Rover	Discovery	4.6	4LRXT04.6601	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
338	2004	Land Rover	Range Rover	4.4	4LRXT04.4001	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL
339	2004	Nissan	Titan	5.6	4NSXT05.6M9A	LEV1 LEV	MDV2	D	2TWC	2	2	F	UNIVERSAL	12240	ALL