

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-562-48
Relating to Exemptions under Section 27156 and 38391
of the Vehicle Code

Valina, Inc. (dba Car Tex Manufacturing)
"Series 114000/115000 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. 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 114000/115000 three-way catalytic converters (TWC) for installation on selected 1996 to 2005 model year medium-duty vehicles equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-562-48 and incorporated herein. Series 114000/115000 TWCs will be used for single or dual exhaust systems with multiple catalytic converters (two or more units in each exhaust bank). Series 114000 will be used as the front TWC and Series 115000 as the rear TWC. The catalytic converters may be sold as a universal or direct fit system. Series 114000/115000 TWCs were previously exempted for this application as Series 13400/13500 TWCs.

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 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-562-48 and certified to Low Emission Vehicle (LEV) standards resulted in the issuance of Executive Order D-562-41 it was determined that the installation of Series 114000/115000 TWCs on the vehicles listed in Appendix D-562-48 meet the requirements of California regulation for aftermarket catalytic converters.

THEREFORE, IT IS HEREBY RESOLVED that Valina, Inc.'s Series 114000/115000 TWCs are exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-562-48 subject to the following conditions:

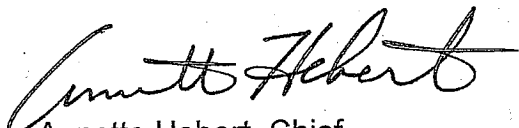
1. No changes are permitted to the catalytic converter as described in the application for exemption. Any changes to the catalytic converter or any of its components, and other factors addressed in this order must be evaluated and approved by the Air Resources Board prior to marketing in California.
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 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 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 converter and is only a finding that the catalytic converter is exempt from the prohibitions of Vehicle Code Sections 27156 and 38391.
4. Valina 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 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 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. Valina, Inc. and its vendors may not advertise the new aftermarket catalytic converter as a "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 converter.
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 must be submitted 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 October 25, 2007.
13. Valina, 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 October 25, 2007.

Executive Order D-562-41 dated January 26, 2010, 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 31 day of August 2011.


Annette Hebert, Chief
Mobile Source Operations Division

Appendix D-562-48
Valina 114000/115000

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	Chevrolet	Silverado 2500	5.7	YGMAX06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
2	2000	Chevrolet	Silverado 2500	5.7	YGMAX06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
3	2001	Chevrolet	Express 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
4	2001	Chevrolet	Express 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
5	2001	Chevrolet	Express 1500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
6	2001	Chevrolet	Express 1500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
7	2001	Chevrolet	Express 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
8	2001	Chevrolet	Express 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
9	2001	Chevrolet	Express 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
10	2001	Chevrolet	Express 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
11	2001	Chevrolet	Express 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
12	2001	Chevrolet	Express 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
13	2001	Chevrolet	Silverado 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
14	2001	Chevrolet	Silverado 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
15	2001	Chevrolet	Silverado 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
16	2001	Chevrolet	Silverado 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
17	2001	Chevrolet	Silverado 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
18	2001	Chevrolet	Silverado 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
19	2001	Chevrolet	Silverado 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
20	2001	Chevrolet	Silverado 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
21	2001	Chevrolet	Silverado 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
22	2001	Chevrolet	Silverado 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
23	2001	Chevrolet	Silverado 3500	8.1	1GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
24	2001	Chevrolet	Silverado 3500	8.1	1GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
25	2001	Chevrolet	Suburban 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
26	2001	Chevrolet	Suburban 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
27	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
28	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114050	ALL
29	2001	Chevrolet	Suburban 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115050	ALL
30	2002	Chevrolet	Avalanche 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
31	2002	Chevrolet	Avalanche 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
32	2002	Chevrolet	Express 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
33	2002	Chevrolet	Express 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
34	2002	Chevrolet	Express 1500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
35	2002	Chevrolet	Express 1500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
36	2002	Chevrolet	Express 2500	5.7	2TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
37	2002	Chevrolet	Express 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
38	2002	Chevrolet	Express 2500	5.7	2TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
39	2002	Chevrolet	Express 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
40	2002	Chevrolet	Express 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
41	2002	Chevrolet	Express 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
42	2002	Chevrolet	Express 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
43	2002	Chevrolet	Express 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	R	UNIVERSAL	115040	ALL
44	2002	Chevrolet	Express 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL
45	2002	Chevrolet	Express 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	F	UNIVERSAL	114040	ALL

Appendix D-562-48
Valina 114000/115000

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	2002	Chevrolet	Express 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
47	2002	Chevrolet	Express 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
48	2002	Chevrolet	Silverado 1500	4.3	2GMXA04.3190	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
49	2002	Chevrolet	Silverado 1500	4.3	2GMXA04.3190	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
50	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
51	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
52	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
53	2002	Chevrolet	Silverado 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
54	2002	Chevrolet	Silverado 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
55	2002	Chevrolet	Silverado 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
56	2002	Chevrolet	Silverado 1500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
57	2002	Chevrolet	Silverado 1500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
58	2002	Chevrolet	Silverado 2500 HD	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
59	2002	Chevrolet	Silverado 2500 HD	5.7	2TJXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
60	2002	Chevrolet	Silverado 2500 HD	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
61	2002	Chevrolet	Silverado 2500 HD	5.7	2TJXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
62	2002	Chevrolet	Silverado 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
63	2002	Chevrolet	Silverado 2500 HD	6	2TJXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
64	2002	Chevrolet	Silverado 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
65	2002	Chevrolet	Silverado 2500 HD	6	2TJXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
66	2002	Chevrolet	Silverado 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
67	2002	Chevrolet	Silverado 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
68	2002	Chevrolet	Silverado 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
69	2002	Chevrolet	Silverado 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
70	2002	Chevrolet	Silverado 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
71	2002	Chevrolet	Silverado 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
72	2002	Chevrolet	Silverado 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
73	2002	Chevrolet	Silverado 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
74	2002	Chevrolet	Silverado 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
75	2002	Chevrolet	Silverado 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
76	2002	Chevrolet	Suburban 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
77	2002	Chevrolet	Suburban 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
78	2002	Chevrolet	Suburban 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
79	2002	Chevrolet	Suburban 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
80	2002	Chevrolet	Suburban 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
81	2002	Chevrolet	Suburban 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
82	2002	Chevrolet	Tahoe	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
83	2002	Chevrolet	Tahoe	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
84	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
85	2003	Chevrolet	Avalanche 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
86	2003	Chevrolet	Express 1500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL
87	2003	Chevrolet	Express 1500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115030	ALL
88	2003	Chevrolet	Express 1500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
89	2003	Chevrolet	Express 1500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
90	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL

Appendix D-562-48
Valina 114000/115000

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	2003	Chevrolet	Express 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115030	ALL
92	2003	Chevrolet	Express 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
93	2003	Chevrolet	Express 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
94	2003	Chevrolet	Express 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
95	2003	Chevrolet	Express 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
96	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
97	2003	Chevrolet	Silverado 1500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
98	2003	Chevrolet	Silverado 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
99	2003	Chevrolet	Silverado 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
100	2003	Chevrolet	Silverado 2500 HD	6	3GMXA04.8172	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
101	2003	Chevrolet	Silverado 2500 HD	6	3GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
102	2003	Chevrolet	Silverado 2500 HD	6	3GMXA04.8172	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
103	2003	Chevrolet	Silverado 2500 HD	6	3GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
104	2003	Chevrolet	Silverado 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
105	2003	Chevrolet	Silverado 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
106	2003	Chevrolet	Silverado 2500	6	3GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
107	2003	Chevrolet	Silverado 2500	6	3GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
108	2003	Chevrolet	Silverado 2500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
109	2003	Chevrolet	Silverado 2500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
110	2003	Chevrolet	Silverado 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
111	2003	Chevrolet	Silverado 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
112	2003	Chevrolet	Silverado 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
113	2003	Chevrolet	Silverado 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
114	2003	Chevrolet	Suburban 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
115	2003	Chevrolet	Suburban 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
116	2003	Chevrolet	Suburban 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
117	2003	Chevrolet	Suburban 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
118	2004	Chevrolet	Astro	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	114050	ALL
119	2004	Chevrolet	Astro	4.3	4GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	115050	ALL
120	2004	Chevrolet	Avalanche 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
121	2004	Chevrolet	Avalanche 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
122	2004	Chevrolet	Express 1500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL
123	2004	Chevrolet	Express 1500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115030	ALL
124	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL
125	2004	Chevrolet	Express 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115030	ALL
126	2004	Chevrolet	Silverado 1500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
127	2004	Chevrolet	Silverado 1500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
128	2004	Chevrolet	Silverado 2500 HD	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
129	2004	Chevrolet	Silverado 2500 HD	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
130	2004	Chevrolet	Silverado 2500 HD	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
131	2004	Chevrolet	Silverado 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
132	2004	Chevrolet	Silverado 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
133	2004	Chevrolet	Silverado 2500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
134	2004	Chevrolet	Silverado 3500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
135	2004	Chevrolet	Silverado 3500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL

Appendix D-562-48
Valina 114000/115000

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	2004	Chevrolet	Silverado 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
137	2004	Chevrolet	Silverado 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
138	2004	Chevrolet	Suburban 2500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
139	2004	Chevrolet	Suburban 2500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
140	2004	Chevrolet	Suburban 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
141	2004	Chevrolet	Suburban 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
142	2005	Chevrolet	Astro	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	114050	ALL
143	2005	Chevrolet	Astro	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	115050	ALL
144	2005	Chevrolet	Avalanche 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
145	2005	Chevrolet	Avalanche 2500	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
146	2005	Chevrolet	Express 1500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
147	2005	Chevrolet	Express 1500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
148	2005	Chevrolet	Express 1500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
149	2005	Chevrolet	Express 1500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
150	2005	Chevrolet	Express 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
151	2005	Chevrolet	Express 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
152	2005	Chevrolet	Express 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
153	2005	Chevrolet	Express 3500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
154	2005	Chevrolet	Express 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
155	2005	Chevrolet	Express 3500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
156	2005	Chevrolet	Silverado 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
157	2005	Chevrolet	Silverado 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
158	2005	Chevrolet	Silverado 2500 HD	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
159	2005	Chevrolet	Silverado 2500 HD	8.1	5GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
160	2005	Chevrolet	Silverado 3500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
161	2005	Chevrolet	Silverado 3500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
162	2005	Chevrolet	Suburban 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
163	2005	Chevrolet	Suburban 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
164	2000	Dodge	Ram 1500 Truck	5.2	YCRXA0360J31	LEV1 LEV	MDV3	DS	2WU-TWC,TWC	3	3	F	UNIVERSAL	114040	ALL
165	2000	Dodge	Ram 1500 Truck	5.2	YCRXA0360J31	LEV1 LEV	MDV3	DS	2WU-TWC,TWC	3	3	R	UNIVERSAL	115040	ALL
166	1996	Ford	Bronco	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
167	1996	Ford	Bronco	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
168	1996	Ford	Bronco	5	TFM5.0H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
169	1996	Ford	Bronco	5	TFM5.0H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
170	1996	Ford	Bronco	5.8	TFM5.8H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
171	1996	Ford	Bronco	5.8	TFM5.8H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
172	1996	Ford	E-150 Econoline	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
173	1996	Ford	E-150 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
174	1996	Ford	E-150 Econoline	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
175	1996	Ford	E-150 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
176	1996	Ford	E-150 Econoline	5	TFM5.0J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114020	ALL
177	1996	Ford	E-150 Econoline	5	TFM5.0J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115020	ALL
178	1996	Ford	E-150 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
179	1996	Ford	E-150 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
180	1996	Ford	E-250 Econoline	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL

Appendix D-562-48
Valina 114000/115000

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	Ford	E-250 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
182	1996	Ford	E-250 Econoline	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
183	1996	Ford	E-250 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
184	1996	Ford	E-250 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
185	1996	Ford	E-250 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
186	1996	Ford	E-350 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
187	1996	Ford	E-350 Econoline	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
188	1996	Ford	E-350 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
189	1996	Ford	E-350 Econoline	5.8	TFM5.8J8G1EK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
190	1996	Ford	F-150	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
191	1996	Ford	F-150	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
192	1996	Ford	F-150	5	TFM5.0H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
193	1996	Ford	F-150	5	TFM5.0H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
194	1996	Ford	F-150	5.8	TFM5.8H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
195	1996	Ford	F-150	5.8	TFM5.8H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
196	1996	Ford	F-250	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
197	1996	Ford	F-250	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
198	1996	Ford	F-250	4.9	TFM4.958GFJK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
199	1996	Ford	F-250	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
200	1996	Ford	F-250	5	TFM5.0H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
201	1996	Ford	F-250	5	TFM5.0H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
202	1996	Ford	F-250	5.8	TFM5.8H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114040	ALL
203	1996	Ford	F-250	5.8	TFM5.8H8G1EK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
204	1996	Ford	F-350	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	F	UNIVERSAL	114043	ALL
205	1996	Ford	F-350	4.9	TFM4.968GFJK	TIER1	MDV3	S	TWC(2)	2	2	R	UNIVERSAL	115040	ALL
206	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
207	1997	Ford	50 Econoline Club Wa	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
208	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
209	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
210	1997	Ford	E-150 Econoline	4.2	VFM4.2H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
211	1997	Ford	E-150 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
212	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
213	1997	Ford	E-250 Econoline	4.2	VFM4.2J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
214	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
215	1997	Ford	Expedition	4.6	VFM4.6J8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
216	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
217	1997	Ford	Expedition	5.4	VFM5.4J8G1FK	TIER1	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
218	1997	Ford	F-150	4.6	VFM4.6H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
219	1997	Ford	F-150	4.6	VFM5.4H8G1EK	TIER1	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	114040	ALL
220	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
221	1997	Ford	F-150	5.4	VFM5.4H8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
222	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
223	1997	Ford	F-250	4.6	VFM4.6J8G1EK	TIER1	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
224	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
225	1998	Ford	E-150 Econoline	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL

Appendix D-562-48
Valina 114000/115000

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	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
227	1998	Ford	Expedition	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
228	1998	Ford	F-150	4.2	WFMXT04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
229	1998	Ford	F-150	4.2	WFMXT04.2AAA	TIER1	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
230	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
231	1998	Ford	F-150	4.6	WFMXA04.6AAA	TIER1	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
232	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
233	1998	Ford	F-150	5.4	WFMXA05.4HBC	TIER1	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115043	ALL
234	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
235	1999	Ford	E-150 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
236	1999	Ford	E-250 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
237	1999	Ford	E-250 Econoline	4.6	XFMXA04.6JBC	TIER1	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
238	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
239	1999	Ford	Expedition	4.6	XFMXA04.6JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
240	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
241	1999	Ford	Expedition	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
242	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
243	1999	Ford	F-150	4.6	XFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
244	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
245	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
246	1999	Ford	F-150	5.4	XFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
247	1999	Ford	F-150	5.4	XFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
248	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
249	2000	Ford	Expedition	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
250	2000	Ford	Expedition	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
251	2000	Ford	Expedition	4.6	YFMXT04.66FF	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
252	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
253	2000	Ford	F-150	4.6	YFMXA04.6HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
254	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
255	2000	Ford	F-150	5.4	YFMXA05.4HGC	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
256	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
257	2001	Ford	E-150 Econoline	5.4	1FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
258	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
259	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
260	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
261	2001	Ford	Expedition	4.6	1FMXT04.66F5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
262	2001	Ford	Expedition	4.6	1FMXT04.66F7	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
263	2001	Ford	Expedition	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
264	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
265	2001	Ford	F-150	4.6	1FMXT04.6PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
266	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
267	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
268	2001	Ford	F-150	5.4	1FMXT05.4PF4	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
269	2001	Ford	F-150	5.4	1FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
270	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL

Appendix D-562-48
Valina 114000/115000

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	2002	Ford	50 Econoline Club Wa	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
272	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	F	UNIVERSAL	114040	ALL
273	2002	Ford	50 Econoline Club Wa	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	R	UNIVERSAL	115040	ALL
274	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
275	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
276	2002	Ford	E-150 Econoline	4.2	2FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
277	2002	Ford	E-150 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
278	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
279	2002	Ford	E-250 Econoline	4.2	2FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
280	2002	Ford	E-250 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
281	2002	Ford	E-250 Econoline	4.6	2FMXT05.4RF9	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
282	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	F	UNIVERSAL	114040	ALL
283	2002	Ford	E-250 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	R	UNIVERSAL	115040	ALL
284	2002	Ford	E-350 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	F	UNIVERSAL	114040	ALL
285	2002	Ford	E-350 Econoline	5.4	2FMXT05.4RF9	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	R	UNIVERSAL	115040	ALL
286	2002	Ford	E-350 Econoline	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	F	UNIVERSAL	114040	ALL
287	2002	Ford	E-350 Econoline	6.8	2FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	R	UNIVERSAL	115040	ALL
288	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
289	2002	Ford	Expedition	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
290	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
291	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
292	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
293	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
294	2002	Ford	F-150	5.4	2FMXT05.4RF6	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
295	2002	Ford	F-150	5.4	2FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
296	2002	Ford	F-150	5.4	2FMXT05.4PF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
297	2002	Ford	F-150	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
298	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
299	2003	Ford	E-150 Club Wagon	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
300	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
301	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
302	2003	Ford	E-150	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
303	2003	Ford	E-150	4.2	3FMXT04.2HF5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
304	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
305	2003	Ford	E-250	4.2	3FMXT04.2JF5	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
306	2003	Ford	E-350	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	F	UNIVERSAL	114040	ALL
307	2003	Ford	E-350	6.8	3FMXA06.8JFN	LEV1 LEV	MDV3	DS	2TWC,TWC	3	3	R	UNIVERSAL	115040	ALL
308	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
309	2003	Ford	F-150	5.4	3FMXT05.4PF6	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
310	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
311	2003	Ford	F-150	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
312	2003	Ford	F-150	5.4	3FMXT05.4PFB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
313	2003	Ford	F-150	5.4	3FMXT05.42F5	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
314	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
315	2004	Ford	F-150	4.6	4FMXT04.6PNB	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL

Appendix D-562-48
Valina 114000/115000

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	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
317	2004	Ford	F-150	5.4	4FMXT05.4PP7	LEV1 LEV	MDV2	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
318	2000	GMC	Yukon XL 2500	5.7	YGMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
319	2000	GMC	Yukon XL 2500	5.7	YGMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
320	2001	GMC	Savana 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
321	2001	GMC	Savana 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
322	2001	GMC	Savana 1500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
323	2001	GMC	Savana 1500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
324	2001	GMC	Savana 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
325	2001	GMC	Savana 2500	5.7	1TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
326	2001	GMC	Savana 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
327	2001	GMC	Savana 2500	5.7	1TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
328	2001	GMC	Savana 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
329	2001	GMC	Savana 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
330	2001	GMC	Savana 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
331	2001	GMC	Savana 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
332	2001	GMC	Savana 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
333	2001	GMC	Savana 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
334	2001	GMC	Sierra 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
335	2001	GMC	Sierra 1500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
336	2001	GMC	Sierra 1500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
337	2001	GMC	Sierra 1500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
338	2001	GMC	Sierra 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
339	2001	GMC	Sierra 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
340	2001	GMC	Sierra 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
341	2001	GMC	Sierra 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
342	2001	GMC	Sierra 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
343	2001	GMC	Sierra 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
344	2001	GMC	Sierra 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
345	2001	GMC	Sierra 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
346	2001	GMC	Sierra 3500	5.7	1TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
347	2001	GMC	Sierra 3500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
348	2001	GMC	Sierra 3500	5.7	1TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
349	2001	GMC	Sierra 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
350	2001	GMC	Sierra 3500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
351	2001	GMC	Yukon XL 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
352	2001	GMC	Yukon XL 2500	5.7	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
353	2001	GMC	Yukon XL 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
354	2001	GMC	Yukon XL 2500	6	1GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
355	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
356	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
357	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
358	2001	GMC	Yukon XL 2500	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
359	2001	GMC	Yukon	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
360	2001	GMC	Yukon	8.1	1GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL

Appendix D-562-48
Valina 114000/115000

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
361	2002	GMC	Savana 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
362	2002	GMC	Savana 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
363	2002	GMC	Savana 1500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
364	2002	GMC	Savana 1500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
365	2002	GMC	Savana 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
366	2002	GMC	Savana 2500	5.7	2TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
367	2002	GMC	Savana 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
368	2002	GMC	Savana 2500	5.7	2TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
369	2002	GMC	Savana 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
370	2002	GMC	Savana 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
371	2002	GMC	Savana 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
372	2002	GMC	Savana 3500	5.7	2TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
373	2002	GMC	Savana 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
374	2002	GMC	Savana 3500	5.7	2TJXT05.7188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
375	2002	GMC	Savana 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
376	2002	GMC	Savana 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
377	2002	GMC	Sierra 1500	4.3	2GMXA04.3190	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
378	2002	GMC	Sierra 1500	4.3	2GMXA04.3190	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
379	2002	GMC	Sierra 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
380	2002	GMC	Sierra 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
381	2002	GMC	Sierra 1500	4.8	2GMXA04.8183	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
382	2002	GMC	Sierra 1500	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
383	2002	GMC	Sierra 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
384	2002	GMC	Sierra 1500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
385	2002	GMC	Sierra 1500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
386	2002	GMC	Sierra 1500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
387	2002	GMC	Sierra 2500 HD	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
388	2002	GMC	Sierra 2500 HD	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
389	2002	GMC	Sierra 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
390	2002	GMC	Sierra 2500 HD	6	2TJXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
391	2002	GMC	Sierra 2500 HD	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
392	2002	GMC	Sierra 2500 HD	6	2TJXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
393	2002	GMC	Sierra 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
394	2002	GMC	Sierra 2500 HD	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
395	2002	GMC	Sierra 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
396	2002	GMC	Sierra 3500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
397	2002	GMC	Sierra 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
398	2002	GMC	Sierra 3500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
399	2002	GMC	Sierra 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
400	2002	GMC	Sierra 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	S	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
401	2002	GMC	Sierra 3500	8.1	2GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
402	2002	GMC	Sierra 3500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	S	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
403	2002	GMC	Yukon XL 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
404	2002	GMC	Yukon XL 2500	5.7	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
405	2002	GMC	Yukon XL 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL

Appendix D-562-48
Valina 114000/115000

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
406	2002	GMC	Yukon XL 2500	6	2GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
407	2002	GMC	Yukon XL 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
408	2002	GMC	Yukon XL 2500	8.1	2GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
409	2002	GMC	Yukon	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
410	2002	GMC	Yukon	4.8	2GMXA04.8184	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
411	2003	GMC	Savana 1500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
412	2003	GMC	Savana 1500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
413	2003	GMC	Savana 1500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
414	2003	GMC	Savana 1500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
415	2003	GMC	Savana 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
416	2003	GMC	Savana 2500	4.8	3GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
417	2003	GMC	Savana 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
418	2003	GMC	Savana 3500	6	3GMXA06.0189	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
419	2003	GMC	Sierra 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
420	2003	GMC	Sierra 1500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
421	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
422	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
423	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
424	2003	GMC	Sierra 2500 HD	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
425	2003	GMC	Sierra 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
426	2003	GMC	Sierra 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
427	2003	GMC	Sierra 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
428	2003	GMC	Sierra 2500 HD	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
429	2003	GMC	Sierra 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
430	2003	GMC	Sierra 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
431	2003	GMC	Sierra 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
432	2003	GMC	Sierra 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	S	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
433	2003	GMC	Sierra 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
434	2003	GMC	Sierra 3500	6	3GMXA06.0188	LEV1 LEV	MDV3	S	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
435	2003	GMC	Sierra 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
436	2003	GMC	Sierra 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
437	2003	GMC	Sierra 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
438	2003	GMC	Sierra 3500	8.1	3GMXA08.1203	LEV1 LEV	MDV4	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
439	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
440	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
441	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
442	2003	GMC	Yukon XL 2500	6	3GMXA06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
443	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
444	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
445	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
446	2003	GMC	Yukon XL 2500	8.1	3GMXA08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
447	2004	GMC	Safari	4.3	4GMXTO4.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	114040	ALL
448	2004	GMC	Safari	4.3	4GMXTO4.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	115040	ALL
449	2004	GMC	Savana 1500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL
450	2004	GMC	Savana 1500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115033	ALL

Appendix D-562-48
Valina 114000/115000

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
451	2004	GMC	Savana 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL
452	2004	GMC	Savana 2500	4.8	4GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115030	ALL
453	2004	GMC	Sierra 1500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
454	2004	GMC	Sierra 1500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
455	2004	GMC	Sierra 2500 HD	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
456	2004	GMC	Sierra 2500 HD	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
457	2004	GMC	Sierra 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
458	2004	GMC	Sierra 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
459	2004	GMC	Sierra 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
460	2004	GMC	Sierra 2500 HD	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
461	2004	GMC	Sierra 3500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
462	2004	GMC	Sierra 3500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
463	2004	GMC	Sierra 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
464	2004	GMC	Sierra 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
465	2004	GMC	Sierra 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
466	2004	GMC	Sierra 3500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115043	ALL
467	2004	GMC	Yukon XL 2500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
468	2004	GMC	Yukon XL 2500	6	4GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
469	2004	GMC	Yukon XL 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
470	2004	GMC	Yukon XL 2500	8.1	4GMXT08.1201	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
471	2005	GMC	Safari	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	F	UNIVERSAL	114040	ALL
472	2005	GMC	Safari	4.3	5GMXT04.3181	LEV1 LEV	MDV2	S	WU-TWC,TWC	2	2	R	UNIVERSAL	115040	ALL
473	2005	GMC	Savana 1500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
474	2005	GMC	Savana 1500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
475	2005	GMC	Savana 1500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
476	2005	GMC	Savana 1500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
477	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
478	2005	GMC	Savana 2500	4.8	5GMXA04.8172	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
479	2005	GMC	Savana 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114040	ALL
480	2005	GMC	Savana 2500	6	5GMXT06.0191	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115040	ALL
481	2005	GMC	Sierra 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
482	2005	GMC	Sierra 2500 HD	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
483	2005	GMC	Sierra 3500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
484	2005	GMC	Sierra 3500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
485	2005	GMC	Yukon XL 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114050	ALL
486	2005	GMC	Yukon XL 2500	6	5GMXT06.0188	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115050	ALL
487	1996	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114030	ALL
488	1996	Lexus	LX450	4.5	TTY4.55JGFEK	TIER1	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115030	ALL
489	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114033	ALL
490	1999	Lexus	LX470	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115030	ALL
491	2000	Lexus	LX470	4.7	YTYXT04.7GXB	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114030	ALL
492	2000	Lexus	LX470	4.7	YTYXT04.7GXB	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115030	ALL
493	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114030	ALL
494	2001	Lexus	LX470	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115030	ALL
495	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL

Appendix D-562-48
Valina 114000/115000

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
496	2003	Lexus	LX470	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115030	ALL
497	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL
498	2004	Lexus	LX470	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115030	ALL
499	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
500	1998	Lincoln	Navigator	5.4	WFMXA05.4JGC	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
501	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
502	2002	Lincoln	Navigator	5.4	2FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
503	2003	Lincoln	Navigator	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
504	2003	Lincoln	Navigator	5.4	3FMXT05.4RF8	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
505	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114020	ALL
506	1999	Mercedes-Benz	ML430	4.3	XMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115020	ALL
507	2000	Mercedes-Benz	ML320	3.2	YMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114021	ALL
508	2000	Mercedes-Benz	ML320	3.2	YMBXT03.2GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	115021	ALL
509	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114023	ALL
510	2000	Mercedes-Benz	ML430	4.3	YMBXT04.3GNB	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115020	ALL
511	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114020	ALL
512	2001	Mercedes-Benz	ML430	4.3	1MBXT04.31BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115020	ALL
513	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114020	ALL
514	2001	Mercedes-Benz	ML55 AMG	5.5	1MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115020	ALL
515	2002	Mercedes-Benz	ML500	5	2MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114020	ALL
516	2002	Mercedes-Benz	ML500	5	2MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115020	ALL
517	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114020	ALL
518	2002	Mercedes-Benz	ML55 AMG	5.5	2MBXT05.51TR	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115020	ALL
519	2003	Mercedes-Benz	ML500	5	3MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114020	ALL
520	2003	Mercedes-Benz	ML500	5	3MBXT05.01BI	LEV1 LEV	MDV2	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115020	ALL
521	1996	Toyota	Land Cruiser	4.5	TTY4.55JGFEK	LEV1 LEV	MDV2	S	TWC(2)	2	2	F	UNIVERSAL	114020	ALL
522	1996	Toyota	Land Cruiser	4.5	TTY4.55JGFEK	LEV1 LEV	MDV2	S	TWC(2)	2	2	R	UNIVERSAL	115023	ALL
523	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114020	ALL
524	1999	Toyota	Land Cruiser	4.7	XTYXT04.7GBX	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115020	ALL
525	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GXB	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114040	ALL
526	2000	Toyota	Land Cruiser	4.7	YTYXT04.7GXB	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115040	ALL
527	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	3	F	UNIVERSAL	114030	ALL
528	2000	Toyota	Tundra	4.7	YTYXT04.7GXW	LEV1 LEV	MDV2	DS	2TWC,TWC	3	3	R	UNIVERSAL	115030	ALL
529	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114020	ALL
530	2001	Toyota	Land Cruiser	4.7	1TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115020	ALL
531	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	4	F	UNIVERSAL	114020	ALL
532	2002	Toyota	Land Cruiser	4.7	2TYXT04.7FBV	LEV1 LEV	MDV3	D	2TWC(2)	4	4	R	UNIVERSAL	115020	ALL
533	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114020	ALL
534	2003	Toyota	Land Cruiser	4.7	3TYXT04.7FBV	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115020	ALL
535	2004	Toyota	Land Cruiser	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	F	UNIVERSAL	114030	ALL
536	2004	Toyota	Land Cruiser	4.7	4TYXT04.7V1V	LEV1 LEV	MDV3	D	2WU-TWC,2TWC	4	4	R	UNIVERSAL	115030	ALL