

**State of California  
AIR RESOURCES BOARD**

**EXECUTIVE ORDER D-562-63**

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

Valina, Inc. (d.b.a. Car Tex)  
"Series 117000 and 118000 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 117000 and 118000 three-way catalytic converters (TWC) for installation on selected 1996 through 2003 light duty trucks (LDT2) equipped with on-board diagnostic II (OBD II) systems as specified in Appendix D-562-63 and incorporated herein. Series 117000 TWC (oval) and Series 118000 TWC (round) will be used for single (one unit) catalytic converter applications. The catalytic converters will be sold as universal fit converters.

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, emissions tests conducted at Automotive Testing and Development Services, Inc., Ontario, California, using a 2002 4.2L Chevrolet Trailblazer, test group 2GMXT04.2185, certified to the LDT2 Low Emission Vehicle emission standards (LEV), showed that the vehicle met the applicable emission standards with Series 117000 TWC (one unit) or 118000 TWC (one unit) installed. OBD II compatibility tests performed on the same test vehicle showed that Series 117000 TWC and 118000 TWC did not affect the vehicle's ability to perform OBD II system monitoring. The following are the test results in grams per mile:

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
100K Standards	0.130	5.5	0.5
Series 117000 Test 1	0.102	0.8	0.3
Series 117000 Test 2	0.102	0.8	0.3
Series 118000 Test 1	0.104	1.1	0.4
Series 118000 Test 2	0.099	0.8	0.4

WHEREAS, evaluation of Series 117000 TWC and 118000 TWC using the procedures and criteria specified in Section (5)(B) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007, showed that the catalytic converter meets the requirements for proper MIL illumination demonstration.

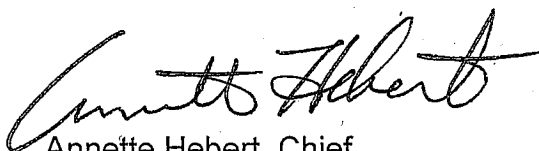
THEREFORE, IT IS HEREBY RESOLVED that Valina, Inc.'s 117000 TWC and 118000 TWC are exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-562-63 subject to the following conditions:

1. No changes are permitted to the catalytic converter as described in the application for exemption. Any changes to the catalytic converter or any of their components, and other factors addressed in this order must be evaluated and approved by the Air Resources Board prior to marketing in California.
2. Marketing of the catalytic converter using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converter for application other than the ones shown in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of this product shall not be construed as an exemption to sell, offer for sale, or advertise any components of the catalytic converter as individual devices.
3. Any oral or written references to this Executive Order or its content by 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 an oxygen sensor. Oxygen sensors must be installed in the same location, position and orientation as prescribed in the original equipment manufacturer's configurations.
6. Upon installation, the catalytic converter must carry a manufacturer's warranty for five (5) years or 50,000 miles as prescribed in Section (f)(2) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
7. Valina, Inc. and its vendors may not advertise the new aftermarket catalytic converter as "high flow or easy flow" catalytic converter or use any phrase that could make them appear to perform better than the original equipment manufacturer (OEM) catalytic converters.

8. Any marketing arrangement of the new aftermarket catalytic converter by a third party, which involves the use of packaging identification different from the ones described in this Executive Order, must be approved by the Air Resources Board prior to shipment.
9. Valina, its associates, vendors, other businesses, and individuals associated with Valina, 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 on 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 on October 25, 2007.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a 30-day written notice of intention to revoke it, during which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within 30 days of receipt of the request, and the order may not be revoked until a determination is made, after the hearing, that grounds for revocation exist.

Executed at El Monte, California, this 22 day of July 2011.



Annette Hebert, Chief  
Mobile Source Operations Division

## Appendix D-562-63

## Valina 117000 / 118000

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
1	1996	Acura	SLX	3.2	TSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
2	1996	Acura	SLX	3.2	TSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
3	1997	Acura	SLX	3.2	VSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
4	1997	Acura	SLX	3.2	VSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
5	2003	Buick	Rendezvous	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
6	2003	Buick	Rendezvous	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
7	1995	Chevrolet	Blazer	4.3	S3G4.329GFGJ	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
8	1995	Chevrolet	Blazer	4.3	S3G4.329GFGJ	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
9	1995	Chevrolet	S10	4.3	S3G4.329GFGJ	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
10	1995	Chevrolet	S10	4.3	S3G4.329GFGJ	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
11	1996	Chevrolet	Astro	4.3	TGM4.32PGKEL	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
12	1996	Chevrolet	Astro	4.3	TGM4.32PGKEL	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
13	1996	Chevrolet	Blazer	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
14	1996	Chevrolet	Blazer	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
15	1996	Chevrolet	Lumina APV	3.4	TGM3.428GFEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
16	1996	Chevrolet	Lumina APV	3.4	TGM3.428GFEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
17	1996	Chevrolet	S10	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
18	1996	Chevrolet	S10	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
19	1997	Chevrolet	Astro	4.3	VGM4.32PG2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
20	1997	Chevrolet	Astro	4.3	VGM4.32PG2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
21	1997	Chevrolet	Blazer	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
22	1997	Chevrolet	Blazer	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
23	1997	Chevrolet	S10	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
24	1997	Chevrolet	S10	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
25	1997	Chevrolet	Venture	3.4	VGM3.428G2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
26	1997	Chevrolet	Venture	3.4	VGM3.428G2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
27	1998	Chevrolet	Astro	4.3	WGMXT04.3187	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
28	1998	Chevrolet	Astro	4.3	WGMXT04.3187	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
29	1998	Chevrolet	Blazer	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
30	1998	Chevrolet	Blazer	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
31	1998	Chevrolet	S10	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
32	1998	Chevrolet	S10	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
33	1998	Chevrolet	Venture	3.4	WGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
34	1998	Chevrolet	Venture	3.4	WGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
35	1999	Chevrolet	Astro	4.3	XGMXT04.3187	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
36	1999	Chevrolet	Astro	4.3	XGMXT04.3187	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
37	1999	Chevrolet	Venture	3.4	XGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
38	1999	Chevrolet	Venture	3.4	XGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
39	2000	Chevrolet	Venture	3.4	YGMXT03.4142	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
40	2000	Chevrolet	Venture	3.4	YGMXT03.4142	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
41	2002	Chevrolet	Trailblazer	4.2	2GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
42	2002	Chevrolet	Trailblazer	4.2	2GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
43	2003	Chevrolet	Trailblazer	4.2	3GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
44	2003	Chevrolet	Trailblazer	4.2	3GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
45	2003	Chevrolet	Venture	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
46	2003	Chevrolet	Venture	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL

## Appendix D-562-63

## Valina 117000 / 118000

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
47	1995	GMC	Jimmy	4.3	SG34.329GFGJ	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
48	1995	GMC	Jimmy	4.3	S3G4.329GFGJ	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
49	1995	GMC	Sonoma	4.3	S3G4.329GFGJ	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
50	1995	GMC	Sonoma	4.3	S3G4.329GFGJ	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
51	1996	GMC	Jimmy	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
52	1996	GMC	Jimmy	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
53	1996	GMC	Safari	4.3	TGM4.32PGKEL	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
54	1996	GMC	Safari	4.3	TGM4.32PGKEL	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
55	1996	GMC	Sonoma	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
56	1996	GMC	Sonoma	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
57	1997	GMC	Jimmy	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
58	1997	GMC	Jimmy	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
59	1997	GMC	Safari	4.3	VGM4.32PG2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
60	1997	GMC	Safari	4.3	VGM4.32PG2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
61	1997	GMC	Sonoma	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
62	1997	GMC	Sonoma	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
63	1998	GMC	Jimmy	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
64	1998	GMC	Jimmy	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
65	1998	GMC	Safari	4.3	WGMXT04.3187	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
66	1998	GMC	Safari	4.3	WGMXT04.3187	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
67	1998	GMC	Sonoma	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
68	1998	GMC	Sonoma	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
69	1999	GMC	Safari	4.3	XGMXT04.3187	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
70	1999	GMC	Safari	4.3	XGMXT04.3187	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
71	2002	GMC	Envoy	4.2	2GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
72	2002	GMC	Envoy	4.2	2GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
73	2003	GMC	Envoy	4.2	3GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
74	2003	GMC	Envoy	4.2	3GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
75	1996	Honda	Passport	2.6	TSZ2.628GKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
76	1996	Honda	Passport	2.6	TSZ2.628GKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
77	1996	Honda	Passport	3.2	TSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
78	1996	Honda	Passport	3.2	TSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
79	1997	Honda	Passport	3.2	VSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
80	1997	Honda	Passport	3.2	VSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
81	1999	Honda	Odyssey	3.5	XHNXT03.5EA3	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
82	1999	Honda	Odyssey	3.5	XHNXT03.5EA3	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
83	2000	Honda	Odyssey	3.5	YHNXT03.5EA3	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
84	2000	Honda	Odyssey	3.5	YHNXT03.5EA3	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
85	2001	Honda	Odyssey	3.5	1HNXT03.5DH2	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
86	2001	Honda	Odyssey	3.5	1HNXT03.5DH2	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
87	2002	Honda	Odyssey	3.5	2HNXT03.51AP	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
88	2002	Honda	Odyssey	3.5	2HNXT03.51AP	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
89	2003	Honda	Odyssey	3.5	3HNXT03.5ZAP	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
90	2003	Honda	Odyssey	3.5	3HNXT03.5ZAP	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
91	2003	Honda	Pilot	3.5	3HNXT03.5DAP	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
92	2003	Honda	Pilot	3.5	3HNXT03.5DAP	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL

## Appendix D-562-63

## Valina 117000 / 118000

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
93	1996	Isuzu	Rodeo	2.6	TSZ2.628GKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
94	1996	Isuzu	Rodeo	2.6	TSZ2.628GKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
95	1996	Isuzu	Rodeo	3.2	TSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
96	1996	Isuzu	Rodeo	3.2	TSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
97	1996	Isuzu	Trooper	3.2	TSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
98	1996	Isuzu	Trooper	3.2	TSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
99	1997	Isuzu	Rodeo	2.6	VSZ2.628GKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
100	1997	Isuzu	Rodeo	2.6	VSZ2.628GKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
101	1997	Isuzu	Rodeo	3.2	VSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
102	1997	Isuzu	Rodeo	3.2	VSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
103	1997	Isuzu	Trooper	3.2	VSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
104	1997	Isuzu	Trooper	3.2	VSZ3.22JGKFK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
105	1998	Isuzu	Amigo	2.2	WSZXT02.22HK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
106	1998	Isuzu	Amigo	2.2	WSZXT02.22HK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
107	1998	Isuzu	Hombre	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
108	1998	Isuzu	Hombre	4.3	WGMXT04.3184	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
109	1998	Isuzu	Rodeo	2.2	WSZXT02.22HK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
110	1998	Isuzu	Rodeo	2.2	WSZXT02.22HK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
111	1998	Isuzu	Trooper	3.5	WSZXT03.52FK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
112	1998	Isuzu	Trooper	3.5	WSZXT03.52FK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
113	1999	Isuzu	Amigo	2.2	XSZXT02.22HK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
114	1999	Isuzu	Amigo	2.2	XSZXT02.22HK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
115	1999	Isuzu	Rodeo	2.2	XSZXT02.22HK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
116	1999	Isuzu	Rodeo	2.2	XSZXT02.22HK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
117	1999	Isuzu	Trooper	3.5	XSZXT03.52FK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
118	1999	Isuzu	Trooper	3.5	XSZXT03.52FK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
119	1996	Mitsubishi	Montero	3.5	TMT3.52JGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
120	1996	Mitsubishi	Montero	3.5	TMT3.52JGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
121	1997	Nissan	Pickup	2.4	VNS2.42JGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
122	1997	Nissan	Pickup	2.4	VNS2.42JGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
123	1996	Oldsmobile	Bravada	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
124	1996	Oldsmobile	Bravada	4.3	TGM4.32PGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
125	1996	Oldsmobile	Silhouette	3.4	TGM3.428GFKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
126	1996	Oldsmobile	Silhouette	3.4	TGM3.428GFKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
127	1997	Oldsmobile	Bravada	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
128	1997	Oldsmobile	Bravada	4.3	VGM4.32PG1EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
129	1997	Oldsmobile	Silhouette	3.4	VGM3.428G2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
130	1997	Oldsmobile	Silhouette	3.4	VGM3.428G2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
131	1998	Oldsmobile	Silhouette	3.4	WGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
132	1998	Oldsmobile	Silhouette	3.4	WGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
133	1999	Oldsmobile	Silhouette	3.4	XGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
134	1999	Oldsmobile	Silhouette	3.4	XGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
135	2000	Oldsmobile	Silhouette	3.4	YGMXT03.4142	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
136	2000	Oldsmobile	Silhouette	3.4	YGMXT03.4142	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
137	2002	Oldsmobile	Bravada	4.2	2GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
138	2002	Oldsmobile	Bravada	4.2	2GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL

**Appendix D-562-63**  
**Valina 117000 / 118000**

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
139	2003	Oldsmobile	Bravada	4.2	3GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
140	2003	Oldsmobile	Bravada	4.2	3GMXT04.2185	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
141	2003	Oldsmobile	Silhouette	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
142	2003	Oldsmobile	Silhouette	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
143	1996	Pontiac	Trans Sport	3.4	TGM3.428GF EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
144	1996	Pontiac	Trans Sport	3.4	TGM3.428GF EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
145	1997	Pontiac	Trans Sport	3.4	VGM3.428G2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
146	1997	Pontiac	Trans Sport	3.4	VGM3.428G2EK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
147	1998	Pontiac	Trans Sport	3.4	WGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
148	1998	Pontiac	Trans Sport	3.4	WGMXT03.4142	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
149	2000	Pontiac	Montana	3.4	YGMXT03.4142	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
150	2000	Pontiac	Montana	3.4	YGMXT03.4142	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
151	2003	Pontiac	Aztek	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
152	2003	Pontiac	Aztek	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
153	2003	Pontiac	Montana	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
154	2003	Pontiac	Montana	3.4	3GMXT03.4141	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
155	1995	Toyota	T100	3.4	STY3.42JG1GK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
156	1995	Toyota	T100	3.4	STY3.42JG1GK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
157	1995	Toyota	Tacoma	3.4	STY3.42JGF EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
158	1995	Toyota	Tacoma	3.4	STY3.42JGF EK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
159	1996	Toyota	4Runner	2.7	TTY2.72HGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
160	1996	Toyota	4Runner	2.7	TTY2.72HGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
161	1996	Toyota	4Runner	3.4	TTY3.42JG1GK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
162	1996	Toyota	4Runner	3.4	TTY3.42JG1GK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
163	1996	Toyota	T100	3.4	TTY3.42JG1GK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
164	1996	Toyota	T100	3.4	TTY3.42JG1GK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
165	1996	Toyota	Tacoma	3.4	TTY3.42JG1GK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
166	1996	Toyota	Tacoma	3.4	TTY3.42JG1GK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
167	1997	Toyota	4Runner	2.7	VTY2.72JGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
168	1997	Toyota	4Runner	2.7	VTY2.72JGKEK	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
169	1997	Toyota	4Runner	3.4	VTY3.42JG2GK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
170	1997	Toyota	4Runner	3.4	VTY3.42JG2GK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
171	1997	Toyota	T100	3.4	VTY3.42JG2GK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
172	1997	Toyota	T100	3.4	VTY3.42JG2GK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
173	1997	Toyota	Tacoma	3.4	VTY3.42JG2GK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
174	1997	Toyota	Tacoma	3.4	VTY3.42JG2GK	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
175	1998	Toyota	4Runner	2.7	WTYXT02.7BBP	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
176	1998	Toyota	4Runner	2.7	WTYXT02.7BBP	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
177	1998	Toyota	4Runner	3.4	WTYXT03.4DBP	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
178	1998	Toyota	4Runner	3.4	WTYXT03.4DBP	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
179	1998	Toyota	Sienna	3	WTYXT03.0BBP	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117030	ALL
180	1998	Toyota	Sienna	3	WTYXT03.0BBP	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118030	ALL
181	1998	Toyota	Tacoma	3.4	WTYXT03.4DBP	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117040	ALL
182	1998	Toyota	Tacoma	3.4	WTYXT03.4DBP	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118040	ALL
183	1999	Toyota	4Runner	2.7	XTYXT02.7BBP	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117040	ALL
184	1999	Toyota	4Runner	2.7	XTYXT02.7BBP	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118040	ALL

**Appendix D-562-63**  
**Valina 117000 / 118000**

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
185	1999	Toyota	Tacoma	2.7	XTYXT02.7BBP	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117040	ALL
186	1999	Toyota	Tacoma	2.7	XTYXT02.7BBP	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118040	ALL
187	1997	Volkswagen	EuroVan	2.8	VVW2.828GFGM	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117040	ALL
188	1997	Volkswagen	EuroVan	2.8	VVW2.828GFGM	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118040	ALL
189	1999	Volkswagen	EuroVan	2.8	XVWXT02.8225	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117040	ALL
190	1999	Volkswagen	EuroVan	2.8	XVWXT02.8225	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118040	ALL
191	2000	Volkswagen	EuroVan	2.8	YXVWT02.8225	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	117040	ALL
192	2000	Volkswagen	EuroVan	2.8	YXVWT02.8225	TIER1	LDT2	S	TWC	1	1	U	UNIVERSAL	118040	ALL
193	2001	Volkswagen	EuroVan	2.8	1VWXT02.8225	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117040	ALL
194	2001	Volkswagen	EuroVan	2.8	1VWXT02.8225	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118040	ALL
195	2002	Volkswagen	EuroVan	2.8	2VWXT02.8225	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117020	ALL
196	2002	Volkswagen	EuroVan	2.8	2VWXT02.8225	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118020	ALL
197	2003	Volkswagen	EuroVan	2.8	3VWXT02.8225	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117020	ALL
198	2003	Volkswagen	EuroVan	2.8	3VWXT02.8225	TLEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118020	ALL
199	2001	Volvo	V70	2.4	1VVXT2.43L5T	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117033	ALL
200	2001	Volvo	V70	2.4	1VVXT2.43L5T	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118033	ALL
201	2002	Volvo	V70	2.4	2VVXT2.43L5T	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	117033	ALL
202	2002	Volvo	V70	2.4	2VVXT2.43L5T	LEV1 LEV	LDT2	S	TWC	1	1	U	UNIVERSAL	118033	ALL