

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-562-41  
Relating to Exemptions under Section 27156 and 38391  
of the Vehicle Code

Valina, Inc. (dba Car Tex Manufacturing)  
"Series 13400/13500 Three-Way Catalytic Converter"

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 13400/13500 three-way catalytic converter (TWC) for installation on selected 1996 through 2005 model year Ford medium-duty trucks equipped with on-board diagnostic II (OBD II) systems as specified in Appendix D-562-41 and incorporated herein. Series 13400/13500 TWC will be used in dual exhaust system applications with Series 13400 used as the front catalytic converter and Series 13500 used as the rear catalytic converter. These 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 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., located in Ontario, California, using a 2002 model year 5.4L Ford F-150, test group 2FMXT05.4PF6, certified to Low Emission Vehicle emission standards (LEV), showed that the vehicle met the applicable emission standards with Series 13400 used as the front catalytic converter and Series 13500 used as the rear catalytic converter (2 units per engine bank) installed. OBD II compatibility tests performed on the same test vehicle showed that Series 13400/13500 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>
120K Standards	0.230	6.4	0.6
Series 13400/13500 Test 1	0.163	1.5	0.2
Series 13400/13500 Test 2	0.160	1.6	0.3

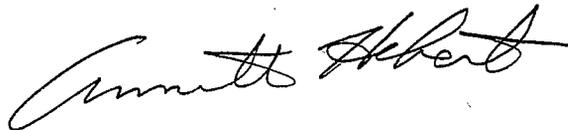
THEREFORE, IT IS HEREBY RESOLVED that Valina, Inc.'s Series 13400/13500 TWC is exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-562-41 subject to the following conditions:

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 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 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.
14. This exemption is conditional upon Valina, Inc. completing the "Proper MIL Illumination Demonstration" within two years of issuance of this exemption and will otherwise expire two years from the date of signature.

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 26 day of January 2010.



Annette Hebert, Chief  
Mobile Source Operations Division

Valina, Inc.'s Series 13400/13500 for Ford MDV OBD II Application

NO	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal FRONT	Universal REAR	Direct Fit
1	1996	E150 2WD	4.9L	TFM4.958GFJK	TIER-1	MDV2	D	TWC(2)	2	2	13440	13540	N/A
		E250 VAN/SUPER VAN MODELS											
		F150 2WD											
		F250 2WD											
		BRONCO 4X4											
		E150 2WD											
		E250 2WD											
		E250 STRIP CHASSIS											
		E350											
		F250 2WD											
		F350 2WD											
		F250 4WD											
		F350 4WD											
2	1996	BRONCO 4WD	5.0L	TFM5.0HG1EK	TIER-1	MDV2	D	TWC(2)	2	2	13440	13540	N/A
		F150 2WD											
		F150 4WD											
		F250 2WD											
		E150 2WD											
		E250 2WD											
		E250 STRIP CHASSIS											
		E250 CUTAWAY											
		E150 2WD											
		E350 2WD											
		F250 2WD											
		F250 4WD											
		F350 4WD											
3	1996	F350 4WD	5.8L	TFM5.8J8G1EK	TIER-1	MDV3	D	TWC(2)	2	2	13420	13520	N/A
		F350 4WD											
		F350 4WD											
		F350 4WD											
		F150											
		F250											
		BRONCO 4X4											
		E150 ECONOLINE 2WD											
		E150 ECONOLINE 2WD,											
		E150 CLUB WAGON											
		E250 ECONOLINE 2WD											
		E250 STRIP CHASSIS 2W											
		E250 CAB CHASSIS 2WD											
F150 PICKUP 2WD, F150 PICKUP 4WD													
F150 PICKUP 2WD													
EXPEDITION 2WD, EXPEDITION 4WD													
F250 PICKUP 2WD, F250 PICKUP 4WD													
F150 PICKUP 2WD, F150 PICKUP 4WD													
EXPEDITION 2WD, 4WD													
4	1997	E150 2WD	4.2L	VFM4.2H8G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
5	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
6	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
7	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
8	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
9	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
10	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
11	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
12	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											
		E150 2WD											
13	1997	E150 2WD	4.6L	VFM4.628G1EK	Tier1	MDV2 to MDV4	D	2TWC(2)	4	4	13440	13540	N/A
		E150 2WD											
		E150 2WD											
		E150 2WD											
		E150 2WD											
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		E150 2WD											
		E150 2WD											

Valina, Inc.'s Series 13400/13500 for Ford MDV OBD II Application

NC	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal	Direct Fit
14	1998	F150,E150	4.6L	WFMXA04.6AAA	Tier1	MDV2	D	2TWC(2)	4	4	FRONT	N/A
15		F150	5.4L	WFMXA05.4HBC		TO					REAR	
16		EXPEDITION, NAVIGATOR		WFMXA05.4JGC	LEV	MDV4						
17		F150	4.2L	WFMXT04.2AAA	Tier1							
18		F250 & F150 4WD	5.4L	WFMXA05.4JBP								
19		LINCOLN NAVIGATOR 2WD	5.4L	WFMXA05.4JBC								
20		E150 VANS, E250 STRIP CHASSIS, E250 CHASSIS CAB	4.2L	WFMXA04.2ABA								
21		E150 VAN	4.6L	WFMXA04.6BAA								
22		F250 2WD										
23		F250 4WD										
24		EXPEDITION 4WD										
25		EXPEDITION 2WD										
26		E150 VAN	4.2L	WFMXA04.2AAA								
27		F150	4.6L	WFMXT04.6AAA	LEV							
28		F150	4.2L	XFMXA04.2HGC	LEV							
29		E150 VAN	4.6L	XFMXA04.6HGC	Tier1							
30		E150,E250	4.6L	XFMXA04.6JBC	LEV							
31		EXPEDITION	5.4L	XFMXA04.6JGC								
32		LINCOLN NAVIGATOR 2WD/4WD		XFMXA05.4HGC								
33	EXPEDITION, F150		XFMXA05.4JGN									
34	EXPEDITION, F150		XFMXA05.4JGC									
35	EXPEDITION, F150	4.6L	YFMXA04.6HGC									
36	F150 4WD	5.4L	YFMXA05.4PF5									
37	F150	5.4L	YFMXA05.4HGC									
38	EXPEDITION 2WD, F150 2WD, LINCOLN NAVIGATOR 2WD	5.4L	YFMXT05.4RF7	LEV	MDV3	D	2TWC(2)	4	4	13430	13530	
39	EXPEDITION 4WD, LINCOLN NAVIGATOR 4WD, F150 4WD											
40	E150, 250, 350 VANS											
41	E150 2WD	4.2L	YFMXT04.2HGC	LEV	MDV2	D/Y	2TWC/TWC	3	3	13440	13540	
42	EXPEDITION	4.6L	YFMXT04.66FF	LEV	to					13440	13540	
43	E150	4.6L	1FMXT04.6PF5	LEV	MDV4					13440	13540	
44	F150 2WD LIGHTING	5.4L	1FMXT05.42F5	LEV						13440	13540	
45	E150	4.2L	1FMXT04.2HG5	LEV						13430	13530	
46	F150	4.2L	1FMXT04.22F5	LEV						13440	13540	
47	E150, E250, E250 STRIP CHASSIS, E250 CHASSIS CAB	4.2L	1FMXT04.2IG5							13440	13540	
48	EXPEDITION	4.6L	1FMXT04.66F5							13440	13540	
49	EXPEDITION		1FMXT04.66F7							13440	13540	
50	EXPEDITION, F150		1FMXT04.6PF6							13440	13540	
51	F150	5.4L	1FMXT05.4PF4	LEV	MDV2	D	2TWC(2)	4	4	13440	13540	
52	F150		1FMXT05.4PF5		TO							
53	E150		1FMXT05.4RF8		MDV4							

Valina, Inc.'s Series 13400/13500 for Ford MDV OBD II Application

NC	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal FRONT	Universal REAR	Direct Fit
48	2002	F150	5.4L	2FMXT05.4RF6	LEV	MDV2 TO MDV4	D	2TWC(2)	4	4	13440	13540	N/A
49		F150		2FMXT05.4PF6							13440	13540	
50		F150		2FMXT05.42F5							13440	13540	
51		F150		2FMXT05.4PF5							13440	13540	
52		E150		2FMXT04.2HF5							13440	13540	
53		E250		2FMXT04.2JF5							13440	13540	
54	2002	E-150 ECONOLINE 2WD:E-150 CW,E-250 ECONOLINE 2WD,E-350 2WD	4.6/ 5.4L	2FMXT05.4RF9	LEV	MDV3	D/Y	2TWC/TWC	3	3	13440	13540	N/A
55	2003	E-350 2WD	6.8	2FMXA06.8JFN	LEV	MDV3	D/Y	2TWC/TWC	3	3	13440	13540	N/A
56		LINCOLN BLACKWOOD EXPEDITION		2FMXT05.4RF8							13440	13540	
57		F150		2FMXT05.4RF8							13440	13540	
58		LINCOLN NAVIGATOR		3FMXT05.4RF8							13440	13540	
59		LINCOLN BLACKWOOD 2WD		3FMXT05.4PF8							13440	13540	
60		FORD F-150 SUPERSCREW P-U 2WD		3FMXE015.42F5							13440	13540	
61	2003	FORD F-150 P-U 2WD/4WD SHORT/LONG WB	5.4L	3FMXT05.4RF8	LEV	MDV2 TO MDV4	D	2TWC(2)	4	4	13440	13540	N/A
62		FORD F-150 P-U 2WD/4WD SHORT WB		3FMXT05.4PF8							13440	13540	
63		FORD F-150 SUPERSCREW P-U 2WD		3FMXE015.42F5							13440	13540	
64		FORD F-150 PICKUP 2WD LIGHTING		3FMXA0.66JFN							13440	13540	
65		FORD: E-150 CLUB WAGON		4FMXT04.6PNB							13440	13540	
66		FORD: E-150 ECONOLINE 2WD		4FMXT05.4PF7							13440	13540	
67	2004	FORD: E-150 ECONOLINE 2WD	4.6L	4FMXT04.6PNB	LEV	MDV2 TO MDV4	D	2TWC(2)	4	4	13440	13540	N/A
68		FORD: E-250 CAB CHASSIS 2WD		4FMXT05.4PF7							13440	13540	
69		FORD: E-250 STRIP CHASSIS 2WD		5FMXK05.4TF9							13440	13540	
70	2005	FORD E-150 ECONOLINE 2WD	5.4L	5FMXK05.4TF9	LEV	MDV2 TO MDV4	D/Y	2TWC/TWC	3	3	13440	13540	N/A
71		FORD F-150 PICKUP 2WD/4WD SHORT WB		5FMXK05.4WFD							13440	13540	
72		FORD F-150 PICKUP 2WD/4WD LONG WB		5FMXK05.4TF5							13440	13540	
73	2005	F-150 PICKUP 2WD SC LIGHTING	5.4L	5FMXK05.4TF5	LEV	MDV2 TO MDV4	D	2TWC(2)	4	4	13440	13540	N/A
74		F350 2WD/4WD, F350 CAB CHASSIS 2WD/4WD		5FMXK05.4TF5							13440	13540	
75		F350 2WD/4WD CAB CHASSIS 2WD/4WD		5FMXK05.4TF5							13440	13540	
76	2005	E-350 CAB CHASSIS 2WD									13450	13550	