

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-280-10
Relating to Exemptions under Section 27156
of the Vehicle Code

AirTek, Inc. (d.b.a. Catco)
"Series 712000 OBD II Compliant Three-way Catalytic Converter"

WHEREAS, Vehicle Code Sections 27156, and Title 13, California Code of Regulations (hereafter "CCR") Section 2222(h), authorize the California Air Resources Board (ARB) and its Executive Officer to exempt new aftermarket catalytic converters from the prohibitions of Vehicle Code Section 27156.

WHEREAS, AirTek, Inc. (AirTek) of 4410 W. 37th Avenue, Hobart, Indiana 46342, has applied to the ARB for exemption from the prohibitions in Vehicle Code Sections 27156 to market its new aftermarket Series 712000 three-way catalytic converter (TWC) on 2001 and older General Motors trucks equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-280-10 and incorporated herein. **The application coverage excludes vehicles equipped with a warm-up catalyst.** The TWC will be used in dual parallel underbody or single underbody vehicle applications. The Series 712000 TWC may also be installed on non-OBD II vehicles (1995 and older) similar in engine and exhaust configuration to those listed in Appendix D-280-10.

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 ARB finds that the above aftermarket catalytic converter complies with the California Vehicle Code Section 27156 and Title 13, California Code of Regulations, Section 2222(h). The emissions performance of said catalytic converter was based on durability bench-aging by Compliance and Research Services, Inc. using the ARB-modified RAT-A bench-aging cycle for a duration of 100 hours, as specified in the "Optional Evaluation Procedures for New Aftermarket Non-original Equipment Catalytic Converters Equipped With On-Board Diagnostic II (OBD II) Systems."

WHEREAS, emissions tests conducted at the Ecologic Engine Testing Laboratory (Ecologic), Fullerton, California, with Series 712000 TWC installed on a 1999 5.7L Chevrolet Tahoe, test group XGMXA05.7185, certified to the Medium-Duty Vehicle 2, Low Emission Vehicle emission standards (MDV2, LEV), showed that the catalytic converter met the applicable emission standards. The following are the test results in grams per mile:


	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
MDV2 120K LEV standards	0.230	6.4	0.6
Average Series 712000 TWC Test Results	0.083	1.0	0.3

IT IS HEREBY RESOLVED that the above catalytic converter is exempt from the prohibitions in Vehicle Code Section 27156 for installation on the approved vehicle applications specified in Appendix D-280-10 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 ARB 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 ARB. 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 AirTek, 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 Section 27156.
4. AirTek, Inc.'s installation instructions for the new catalytic converter must conform to requirements in Paragraphs I and X of the "Optional Evaluation Procedures for New Aftermarket Non-original Equipment Catalytic Converters Equipped With On-Board Diagnostic II (OBD II) Systems."
5. Upon installation, the catalytic converter must carry a manufacturer's warranty for 50,000 miles on the substrates and 50,000 miles or five years on the shell and end pipes.
6. AirTek, Inc. and its vendors may not advertise the new aftermarket catalytic converter as a "high or easy flow" catalytic converter or use any phrase that could make it appear to perform better than an OEM catalytic converter.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after ten 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 ten 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 28th day of July 2004.


Allen Lyons, Chief
Mobile Source Operations Division

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DIRECT FIT

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UNIV #	Year	Make	Model	Cert type	712000 Series Converter Application # of conv. On App	Eng size	Eng. Fam	Direct #
712005	1996	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	TGM5.76PGFEK	712333
	1997	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7HPG1EK	712333
	1997	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7JPG1EK	712333
	1997	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7JPG1GK	712333
	1998	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	WGMXAO5.7185	712333
	1998	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	WGMXAO5.7186	712333
	1999	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	XGMXA05.7186	712333
	1999	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	XGMXA05.7186	712333
	1999	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	XGMXA05.7187	712333
	2000	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	YGMXAO5.7194	712333
	1996	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	TGM5.76PGFEK	712333
	1996	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	TGM5.7JPGIEK	712333
	1997	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	VGM5.7HPGIEK	712333
	1998	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7182	712333
	1998	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7184	712333
	1998	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7 187	712333
	1999	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	XGMXA05.7182	712333
	1999	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	XGMXA05.7187	712333
	2000	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	YGMXAO5.7191	712333
	1996	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	TGM5.76PGFEK	712333
	1997	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7HPG1EK	712333
	1997	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7JPG1EK	712333
	1997	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7JPG1GK	712333
	1998	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	WGMXAO5.7185	712333
	1998	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	WGMXAO5.7186	712333
	1999	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	XGMXA05.7186	712333
	1999	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	XGMXA05.7186	712333
	1999	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	XGMXA05.7187	712333
	2000	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	YGMXAO5.7194	712333
	1996	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	TGM5.76PGFEK	712333
	1996	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	TGM5.7JPGIEK	712333
	1997	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	VGM5.7HPGIEK	712333
	1998	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7182	712333
	1998	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7184	712333
	1998	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7 187	712333
	1999	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	XGMXA05.7182	712333
	1999	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	XGMXA05.7187	712333

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	2000	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	YGMXAO5.7191	712333
	1999	Cadillac	Escalade	Tier 1	2-UND B	5.7L V-8	XGMXAO5.7187	712333
	2000	Cadillac	Escalade	LEV	2-UND B	5.7L V-8	XGMXAO5.7194	712333
712006	1996	GMC	SUV FULL	Tier 1	2 underbody	7.4 V-8	TGM7.4JBG1EK	712703
	1997	GMC	SUV FULL	Tier 1	2 underbody	7.4 V-8	VGM7.4JBG1EK	712703
	1998	GMC	SUV FULL	Tier 1	2 underbody	7.4 V-8	WGMXAO7.4201	712703
	1999	GMC	SUV FULL	Tier 1	2 underbody	7.4 V-8	XGMXAO7.4201	712703
	1996	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.31PGFEK	712710
	1997	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	VGM4.31PG1EK	712710
	1996	GMC	SseriesPU	Tier 1	1 underbody	2.2 L-4	TGM2.218GFKEK	712819
	1997	GMC	SseriesPU	Tier 1	1 underbody	2.2 L-4	VGM2.218GKEK	712819
	1998	GMC	SseriesPU	Tier 1	1 underbody	2.2 L-4	WGMXTO2.2123	712819
	1999	GMC	SseriesPU	Tier 1	1 underbody	2.2 L-4	XGMXTO2.2121	712819
	1996	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712881
	1996	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712881
	1997	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	VGM4.32PG1EK	712881
	1998	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3182	TBA
	1998	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3184	TBA
	1996	GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	TGM4.31PGFEK	712682
	1996	GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712792
	1997	GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	VGM4.31PG1EK	712792
	1997	GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	VGM4.32PG1EK	712792
	1998	GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3182	712792
	1998	GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3184	712792
	1996	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	TGM7.4JBG1EK	712703
	1997	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	VGM7.4JBG1EK	712703
	1998	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	WGMXAO7.4201	712703
	1999	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	XGMXAO7.4201	712703
	2000	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	YGMXAO7.4201	712703
	1996	Chevrolet	SUV FULL	Tier 1	2 underbody	7.4 V-8	TGM7.4JBG1EK	712703
	1997	Chevrolet	SUV FULL	Tier 1	2 underbody	7.4 V-8	VGM7.4JBG1EK	712703
	1998	Chevrolet	SUV FULL	Tier 1	2 underbody	7.4 V-8	WGMXAO7.4201	712703
	1999	Chevrolet	SUV FULL	Tier 1	2 underbody	7.4 V-8	XGMXAO7.4201	712703
	1996	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.31PGFEK	712710
	1997	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	VGM4.31PG1EK	712710
	1996	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712881
	1996	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712881
	1997	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	VGM4.32PG1EK	712881

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	1998	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3182	TBA
	1998	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3184	TBA
	1996	Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	TGM4.31PGFEK	712682
	1996	Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712682
	1997	Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	VGM4.31PG1EK	712792
	1997	Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	VGM4.32PG1EK	712792
	1998	Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3182	712792
	1998	Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3184	712792
	1996	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	TGM7.4JBG1EK	712703
	1997	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	VGM7.4JBG1EK	712703
	1998	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	WGMXAO7.4201	712703
	1999	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	XGMXAO7.4201	712703
	2000	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	YGMXAO7.4201	712703
712007	1996	GMC	Safari	Tier 1	1 underbody	4.3 V-6	TGM4.35PGKEI	712075
	2000	GMC	SUV FULL	Tier 1	1 underbody	5.7 V-8	YGMXTO5.7189	TBA
	1996	GMC	Safari	Tier 1	1 underbody	4.3 V-6	TGM4.35PGFEK	712075
	1997	GMC	Safari	TLEV	1 underbody	4.3 V-6	VGM4.32PG2EK	712075
	1997	GMC	Safari	LEV	1 underbody	4.3 V-6	VGM4.3HPG3EK	712075
	1998	GMC	Safari	TLEV	1 underbody	4.3 V-6	WGMXTO4.3187	712075
	1998	GMC	Safari	LEV	1 underbody	4.3 V-6	WGMXAD4.3186	712075
	1999	GMC	Safari	TLEV	1 underbody	4.3 V-6	XGMXTO4.3187	712075
	1999	GMC	Safari	LEV	1 underbody	4.3 V-6	XGMXAO4.3188	712075
	1996	GMC	G Van	Tier 1	1 underbody	4.3 V-6	TGM4.3BPGBEK	712649
	1997	GMC	G Van	Tier 1	1 underbody	4.3 V-6	VGM4.3HPG1EK	712649
	1997	GMC	G Van	Tier 1	1 underbody	4.3 V-6	VGM4.3JPG1EK	712649
	1998	GMC	G Van	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3192	712649
	1999	GMC	G Van	Tier 1	1 underbody	4.3 V-6	XGMXAO4.3190	712649
	1999	GMC	G Van	Tier 1	1 underbody	4.3 V-6	XGMXAO4.3192	712649
	1996	GMC	G Van	Tier 1	1 underbody	5.0 V-8	TGM5.0HPG1EK	712649
	1996	GMC	G Van	Tier 1	1 underbody	5.0 V-8	TGM5.0JPG1EK	712649
	1997	GMC	G Van	Tier 1	1 underbody	5.0 V-8	VGM5.0HPG1EK	712649
	1997	GMC	G Van	Tier 1	1 underbody	5.0 V-8	VGM5.0JPG1EK	712649
	1998	GMC	G Van	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0182	712649
	1998	GMC	G Van	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0185	712649
	1999	GMC	G Van	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0182	712649
	1999	GMC	G Van	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0184	712649
	1996	GMC	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	TGM5.75PGFEK	712042/712043
	1997	GMC	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	VGM5.7PG1EK	712042/712043

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1997	GMC	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	VGM5.7JPG1GK	712042/712043
1998	GMC	G Van	LEV	2 underbody LH&RH	5.7 V-8	WGMXAO5.7186	712042/712043
1999	GMC	G Van	LEV	2 underbody LH&RH	5.7 V-8	XGMXAO5.7185	712042/712043
2000	GMC	G Van	Tier 1	1 underbody	5.0 V-8	YGMXAO5.0182	TBA
2001	GMC	G Van	Tier 1	1 underbody	5.0 V-8	1GMXAO5.0181	TBA
2001	GMC	G Van	Tier 1	1 underbody	5.0 V-8	1GMXAO5.0182	TBA
2000	GMC	G Van	Tier 1	1 underbody	5.7 V-8	YGMXTO5.7188	TBA
1996	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	TGM7.4J8G1EK	TBA
1997	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	VGM7.4J8G1EK	TBA
1998	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	WGMXAO7.4201	TBA
1999	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	XGMXAO7.4201	TBA
2000	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	YGMXAO7.4201	TBA
1996	GMC	C-K PU	Tier 1	1 underbody	4.3 V-6	TGM4.38PGBEK	712720
1997	GMC	C-K PU	Tier 1	1 underbody	4.3 V-6	VGM4.3HPG1EK	712720
1998	GMC	C-K PU	Tier 1	1 underbody	4.3 V-6	WGMXAO4.3190	712720
1996	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	TGM5.0HPG1EK	712720
1997	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	VGM5.0JPG1EK	712720
1998	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0182	712720
1998	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0184	712720
1999	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0182	712720
1999	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0184	712720
1996	Chevrolet	Astro	Tier 1	1 underbody	4.3 V-6	TGM4.35PGKEI	712097
2000	Chevrolet	SUV FULL	Tier 1	1 underbody	5.7 V-8	YGMXTO5.7189	TBA
1996	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	TGM4.3BPGBEK	712649
1997	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	VGM4.3HPG1EK	712649
1997	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	VGM4.3JPG1EK	712649
1998	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3192	712649
1999	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	XGMXAO4.3190	712649
1999	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	XGMXAO4.3192	712649
1996	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	TGM5.0HPG1EK	712649
1996	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	TGM5.0JPG1EK	712649
1997	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	VGM5.0HPG1EK	712649
1997	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	VGM5.0JPG1EK	712649
1998	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0182	712649
1998	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0185	712649
1999	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0182	712649
1999	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0184	712649
1996	Chevrolet	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	TGM5.75PGFEK	712042/712043
1997	Chevrolet	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	VGM5.7PG1EK	712042/712043

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1997	Chevrolet	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	VGM5.7JPG1GK	712042/712043
1998	Chevrolet	G Van	LEV	2 underbody LH&RH	5.7 V-8	WGMXAO5.7186	712042/712043
1999	Chevrolet	G Van	LEV	2 underbody LH&RH	5.7 V-8	XGMXAO5.7185	712042/712043
2000	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	YGMXAO5.0182	TBA
2001	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	1GMXAO5.0181	TBA
2001	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	1GMXAO5.0182	TBA
2000	Chevrolet	G Van	Tier 1	1 underbody	5.7 V-8	YGMXTO5.7188	TBA
1996	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	TGM7.4J8G1EK	TBA
1997	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	VGM7.4J8G1EK	TBA
1998	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	WGMXAO7.4201	TBA
1999	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	XGMXAO7.4201	TBA
2000	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	YGMXAO7.4201	TBA
1996	Chevrolet	C-K PU	Tier 1	1 underbody	4.3 V-6	TGM4.38PGBEK	712720
1997	Chevrolet	C-K PU	Tier 1	1 underbody	4.3 V-6	VGM4.3HPG1EK	712720
1998	Chevrolet	C-K PU	Tier 1	1 underbody	4.3 V-6	WGMXAO4.3190	712720
1996	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	TGM5.0HPG1EK	712720
1997	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	VGM5.0JPG1EK	712720
1998	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0182	712720
1998	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0184	712720
1999	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0182	712720
1999	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0184	712720
1996	Chevrolet	Astro	Tier 1	1 underbody	4.3 V-6	TGM4.35PGFEK	712097
1997	Chevrolet	Astro	TLEV	1 underbody	4.3 V-6	VGM4.32PG2EK	712097
1997	Chevrolet	Astro	LEV	1 underbody	4.3 V-6	VGM4.3HPG3EK	712097
1998	Chevrolet	Astro	TLEV	1 underbody	4.3 V-6	WGMXTO4.3187	712097
1998	Chevrolet	Astro	LEV	1 underbody	4.3 V-6	WGMXAD4.3186	712097
1999	Chevrolet	Astro	TLEV	1 underbody	4.3 V-6	XGMXTO4.3187	712097
1999	Chevrolet	Astro	LEV	1 underbody	4.3 V-6	XGMXAO4.3188	712097

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UNIVERSAL

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Direct #	Year	Make	Model	Cert type	712000 Series Converter Application # of conv. On App	Eng size	Eng. Fam	UNIV #
712075	1996	GMC	Safari	Tier 1	1 underbody	4.3 V-6	TGM4.35PGKEI	712007
	1996	GMC	Safari	Tier 1	1 underbody	4.3 V-6	TGM4.35PGFEK	712007
	1997	GMC	Safari	TLEV	1 underbody	4.3 V-6	VGM4.32PG2EK	712007
	1997	GMC	Safari	LEV	1 underbody	4.3 V-6	VGM4.3HPG3EK	712007
	1998	GMC	Safari	TLEV	1 underbody	4.3 V-6	WGMXTO4.3187	712007
	1998	GMC	Safari	LEV	1 underbody	4.3 V-6	WGMXAD4.3186	712007
	1999	GMC	Safari	TLEV	1 underbody	4.3 V-6	XGMXTO4.3187	712007
	1999	GMC	Safari	LEV	1 underbody	4.3 V-6	XGMXAO4.3188	712007
712097	1996	Chevrolet	Astro	Tier 1	1 underbody	4.3 V-6	TGM4.35PGKEI	712007
	1996	Chevrolet	Astro	Tier 1	1 underbody	4.3 V-6	TGM4.35PGFEK	712007
	1997	Chevrolet	Astro	TLEV	1 underbody	4.3 V-6	VGM4.32PG2EK	712007
	1997	Chevrolet	Astro	LEV	1 underbody	4.3 V-6	VGM4.3HPG3EK	712007
	1998	Chevrolet	Astro	TLEV	1 underbody	4.3 V-6	WGMXTO4.3187	712007
	1998	Chevrolet	Astro	LEV	1 underbody	4.3 V-6	WGMXAD4.3186	712007
	1999	Chevrolet	Astro	TLEV	1 underbody	4.3 V-6	XGMXTO4.3187	712007
	1999	Chevrolet	Astro	LEV	1 underbody	4.3 V-6	XGMXAO4.3188	712007
712333	1996	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	TGM5.76PGFEK	712005
	1997	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7HPG1EK	712005
	1997	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7JPG1EK	712005
	1997	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7JPG1GK	712005
	1998	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	WGMXAO5.7185	712005
	1998	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	WGMXAO5.7186	712005
	1999	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	XGMXAO5.7186	712005
	1999	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	XGMXAO5.7186	712005
	1999	GMC	SUV FULL	Tier 1	2 underbody	5.7 V-8	XGMXAO5.7187	712005
	2000	GMC	SUV FULL	LEV	2 underbody	5.7 V-8	YGMXAO5.7194	712005
	1996	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	TGM5.76PGFEK	712005
	1996	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	TGM5.7JPGIEK	712005
	1997	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	VGM5.7HPGIEK	712005
	1998	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7182	712005
	1998	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7184	712005
	1998	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7187	712005
	1999	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	XGMXAO5.7182	712005
	1999	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	XGMXAO5.7187	712005
	2000	GMC	C-K PU	Tier 1	2 underbody	5.7 V-8	YGMXAO5.7191	712005

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	1996	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	TGM5.76PGFEK	712005
	1997	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7HPG1EK	712005
	1997	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7JPG1EK	712005
	1997	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	VGM5.7JPG1GK	712005
	1998	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	WGMXAO5.7185	712005
	1998	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	WGMXAO5.7186	712005
	1999	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	XGMXA05.7186	712005
	1999	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	XGMXA05.7186	712005
	1999	Chevrolet	SUV FULL	Tier 1	2 underbody	5.7 V-8	XGMXA05.7187	712005
	2000	Chevrolet	SUV FULL	LEV	2 underbody	5.7 V-8	YGMXA05.7194	712005
	1996	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	TGM5.76PGFEK	712005
	1996	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	TGM5.7JPGIEK	712005
	1997	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	VGM5.7HPGIEK	712005
	1998	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7182	712005
	1998	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7184	712005
	1998	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	WGMXAO5.7 187	712005
	1999	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	XGMXA05.7182	712005
	1999	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	XGMXA05.7187	712005
	2000	Chevrolet	C-K PU	Tier 1	2 underbody	5.7 V-8	YGMXA05.7191	712005
	1999	Cadillac	Escalade	Tier 1	2-UND B	5.7L V-8	XGMXA05.7187	712005
	2000	Cadillac	Escalade	LEV	2-UND B	5.7L V-8	XGMXA05.7194	712005
712649	1996	GMC	G Van	Tier 1	1 underbody	4.3 V-6	TGM4.3BPGBEK	712007
	1997	GMC	G Van	Tier 1	1 underbody	4.3 V-6	VGM4.3HPG1EK	712007
	1997	GMC	G Van	Tier 1	1 underbody	4.3 V-6	VGM4.3JPG1EK	712007
	1998	GMC	G Van	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3192	712007
	1999	GMC	G Van	Tier 1	1 underbody	4.3 V-6	XGMXA04.3190	712007
	1999	GMC	G Van	Tier 1	1 underbody	4.3 V-6	XGMXA04.3192	712007
	1996	GMC	G Van	Tier 1	1 underbody	5.0 V-8	TGM5.0HPG1EK	712007
	1996	GMC	G Van	Tier 1	1 underbody	5.0 V-8	TGM5.0JPG1EK	712007
	1997	GMC	G Van	Tier 1	1 underbody	5.0 V-8	VGM5.0HPG1EK	712007
	1997	GMC	G Van	Tier 1	1 underbody	5.0 V-8	VGM5.0JPG1EK	712007
	1998	GMC	G Van	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0182	712007
	1998	GMC	G Van	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0185	712007
	1999	GMC	G Van	Tier 1	1 underbody	5.0 V-8	XGMXA05.0182	712007
	1999	GMC	G Van	Tier 1	1 underbody	5.0 V-8	XGMXA05.0184	712007
	1996	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	TGM4.3BPGBEK	712007
	1997	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	VGM4.3HPG1EK	712007
	1997	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	VGM4.3JPG1EK	712007

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	1998	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3192	712007
	1999	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	XGMXAO4.3190	712007
	1999	Chevrolet	G Van	Tier 1	1 underbody	4.3 V-6	XGMXAO4.3192	712007
	1996	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	TGM5.0HPG1EK	712007
	1996	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	TGM5.0JPG1EK	712007
	1997	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	VGM5.0HPG1EK	712007
	1997	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	VGM5.0JPG1EK	712007
	1998	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0182	712007
	1998	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	WGMXAO5.0185	712007
	1999	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0182	712007
	1999	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	XGMXAO5.0184	712007
712682	1996	GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	TGM4.31PGFEK	712006
	1996	Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	TGM4.31PGFEK	712006
	1996	Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712006
712703	1996	GMC	SUV FULL	Tier 1	2 underbody	7.4 V-8	TGM7.4JBG1EK	712006
	1997	GMC	SUV FULL	Tier 1	2 underbody	7.4 V-8	VGM7.4JBG1EK	712006
	1998	GMC	SUV FULL	Tier 1	2 underbody	7.4 V-8	WGMXAO7.4201	712006
	1999	GMC	SUV FULL	Tier 1	2 underbody	7.4 V-8	XGMXAO7.4201	712006
	1996	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	TGM7.4JBG1EK	712006
	1997	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	VGM7.4JBG1EK	712006
	1998	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	WGMXAO7.4201	712006
	1999	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	XGMXAO7.4201	712006
	2000	GMC	C-K PU	Tier 1	2 underbody	7.4 V-8	YGMXAO7.4201	712006
	1996	Chevrolet	SUV FULL	Tier 1	2 underbody	7.4 V-8	TGM7.4JBG1EK	712006
	1997	Chevrolet	SUV FULL	Tier 1	2 underbody	7.4 V-8	VGM7.4JBG1EK	712006
	1998	Chevrolet	SUV FULL	Tier 1	2 underbody	7.4 V-8	WGMXAO7.4201	712006
	1999	Chevrolet	SUV FULL	Tier 1	2 underbody	7.4 V-8	XGMXAO7.4201	712006
	1996	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	TGM7.4JBG1EK	712006
	1997	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	VGM7.4JBG1EK	712006
	1998	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	WGMXAO7.4201	712006
	1999	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	XGMXAO7.4201	712006
	2000	Chevrolet	C-K PU	Tier 1	2 underbody	7.4 V-8	YGMXAO7.4201	712006
712710	1996	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.31PGFEK	712006
	1997	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	VGM4.31PG1EK	712006
	1996	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.31PGFEK	712006
	1997	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	VGM4.31PG1EK	712006

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712720	1996	GMC	C-K PU	Tier 1	1 underbody	4.3 V-6	TGM4.38PGBEK	712007
	1997	GMC	C-K PU	Tier 1	1 underbody	4.3 V-6	VGM4.3HPG1EK	712007
	1998	GMC	C-K PU	Tier 1	1 underbody	4.3 V-6	WGMXA04.3190	712007
	1996	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	TGM5.0HPG1EK	712007
	1997	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	VGM5.0JPG1EK	712007
	1998	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	WGMXA05.0182	712007
	1998	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	WGMXA05.0184	712007
	1999	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	XGMXA05.0182	712007
	1999	GMC	C-K PU	Tier 1	1 underbody	5.0 V-8	XGMXA05.0184	712007
	1996	Chevrolet	C-K PU	Tier 1	1 underbody	4.3 V-6	TGM4.38PGBEK	712007
	1997	Chevrolet	C-K PU	Tier 1	1 underbody	4.3 V-6	VGM4.3HPG1EK	712007
	1998	Chevrolet	C-K PU	Tier 1	1 underbody	4.3 V-6	WGMXA04.3190	712007
	1996	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	TGM5.0HPG1EK	712007
	1997	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	VGM5.0JPG1EK	712007
	1998	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	WGMXA05.0182	712007
	1998	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	WGMXA05.0184	712007
	1999	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	XGMXA05.0182	712007
	1999	Chevrolet	C-K PU	Tier 1	1 underbody	5.0 V-8	XGMXA05.0184	712007
	712792	1996	GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK
1997		GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	VGM4.3IPG1EK	712006
1997		GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	VGM4.32PG1EK	712006
1998		GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	WGMXT04.3182	712006
1998		GMC	S Series Jimmy	Tier 1	1 underbody	4.3 V-6	WGMXT04.3184	712006
1997		Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	VGM4.3IPG1EK	712006
1997		Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	VGM4.32PG1EK	712006
1998		Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	WGMXT04.3182	712006
1998		Chevrolet	S Blazer	Tier 1	1 underbody	4.3 V-6	WGMXT04.3184	712006
712819	1996	GMC	SseriesPU	Tier 1	1 underbody	2.2 L-4	TGM2.218GF EK	712006
	1997	GMC	SseriesPU	Tier 1	1 underbody	2.2 L-4	VGM2.218GKEK	712006
	1998	GMC	SseriesPU	Tier 1	1 underbody	2.2 L-4	WGMXT02.2123	712006
	1999	GMC	SseriesPU	Tier 1	1 underbody	2.2 L-4	XGMXT02.2121	712006
712881	1996	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712006
	1996	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712006
	1997	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	VGM4.32PG1EK	712006
	1996	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712006

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	1996	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	TGM4.32PGKEK	712006
	1997	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	VGM4.32PG1EK	712006
712042/712043	1996	GMC	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	TGM5.75PGFEK	712007
	1997	GMC	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	VGM5.7PG1EK	712007
	1997	GMC	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	VGM5.7JPG1GK	712007
	1998	GMC	G Van	LEV	2 underbody LH&RH	5.7 V-8	WGMXAO5.7186	712007
	1999	GMC	G Van	LEV	2 underbody LH&RH	5.7 V-8	XGMXAO5.7185	712007
	1996	Chevrolet	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	TGM5.75PGFEK	712007
	1997	Chevrolet	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	VGM5.7PG1EK	712007
	1997	Chevrolet	G Van	Tier 1	2 underbody LH&RH	5.7 V-8	VGM5.7JPG1GK	712007
	1998	Chevrolet	G Van	LEV	2 underbody LH&RH	5.7 V-8	WGMXAO5.7186	712007
	1999	Chevrolet	G Van	LEV	2 underbody LH&RH	5.7 V-8	XGMXAO5.7185	712007
TBA	2000	GMC	SUV FULL	Tier 1	1 underbody	5.7 V-8	YGMXTO5.7189	712007
	1998	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3182	712006
	1998	GMC	SseriesPU	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3184	712006
	2000	GMC	G Van	Tier 1	1 underbody	5.0 V-8	YGMXAO5.0182	712007
	2001	GMC	G Van	Tier 1	1 underbody	5.0 V-8	1GMXAO5.0181	712007
	2001	GMC	G Van	Tier 1	1 underbody	5.0 V-8	1GMXAO5.0182	712007
	2000	GMC	G Van	Tier 1	1 underbody	5.7 V-8	YGMXTO5.7188	712007
	1996	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	TGM7.4J8G1EK	712007
	1997	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	VGM7.4J8G1EK	712007
	1998	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	WGMXAO7.4201	712007
	1999	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	XGMXAO7.4201	712007
	2000	GMC	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	YGMXAO7.4201	712007
	2000	Chevrolet	SUV FULL	Tier 1	1 underbody	5.7 V-8	YGMXTO5.7189	712007
	1998	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3182	712006
	1998	Chevrolet	SseriesPU	Tier 1	1 underbody	4.3 V-6	WGMXTO4.3184	712006
	2000	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	YGMXAO5.0182	712007
	2001	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	1GMXAO5.0181	712007
	2001	Chevrolet	G Van	Tier 1	1 underbody	5.0 V-8	1GMXAO5.0182	712007
	2000	Chevrolet	G Van	Tier 1	1 underbody	5.7 V-8	YGMXTO5.7188	712007
	1996	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	TGM7.4J8G1EK	712007
	1997	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	VGM7.4J8G1EK	712007
	1998	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	WGMXAO7.4201	712007
	1999	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	XGMXAO7.4201	712007
	2000	Chevrolet	G Van	Tier 1	2 underbody LH&RH	7.4 V-8	YGMXAO7.4201	712007