



ORIGINAL

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Warren, Michigan 48090

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Administrator  
National Highway Traffic Safety Administration  
Nassif Building  
Washington, DC 20590

Attention: VIN Coordinator

Gentlemen:

This letter transmits preliminary General Motors Vehicle Identification Number (VIN) decoding information for some 1985 model year vehicles currently scheduled for early introduction. This material is submitted in compliance with paragraph 565.5(d) of Federal Motor Vehicle Safety Regulation 565, Vehicle Identification Number--Content Requirements.

IMPORTANT - Beginning with 1985 model year passenger vehicles the GM VIN format is being modified to separately code both a vehicle's carline and series. This change will affect VIN positions "4-7" in the 1985 Model Year coding as illustrated below:

VIN POSITION	MODEL YEAR(S)	
	1981-84	1985
4	Restraint System	Carline
5	Carline/Series	Series
6,7	Body Type	Body Type/Restraint System

Carline and Series Codes are displayed by passenger car division in a single table, B2.

Ten copies of this submittal have been furnished to the docket room under separate cover for inclusion in Docket 01-22-N11B.

Very truly yours,

*for*   
David E. Martin, Director  
Automotive Safety Engineering



Lets Get It Together  
SAFETY BELTS SAVE LIVES

Enclosure



GENERAL MOTORS CORPORATION

VEHICLE IDENTIFICATION NUMBERING STANDARD

FOR 1985 MODEL YEAR VEHICLES

IN COMPLIANCE WITH

FEDERAL MOTOR VEHICLE SAFETY STANDARD (FMVSS) 115

and

FEDERAL MOTOR VEHICLE SAFETY REGULATION 565

Preliminary Partial Issue - January, 1984



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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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A. General InformationTABLE A1: GM Make Identifiers (VIN positions 1, 2 and 3)MAKE IDENTIFIER

<u>U.S.</u> ----	<u>CANADA</u> -----	<u>MAKE</u> -----	<u>TYPE</u> -----
1G1	2G1	CHEVROLET	PASSENGER CAR
1G2	2G2	PONTIAC	PASSENGER CAR
1G3	2G3	OLDSMOBILE	PASSENGER CAR
1G4	2G4	BUICK	PASSENGER CAR
1G6	---	CADILLAC	PASSENGER CAR
1G7	2G7	GM OF CANADA	PASSENGER CAR
<hr/>			
1GC	2GC	CHEVROLET	TRUCK
1GT	2GT	GM TRUCK & BUS	TRUCK
J8C*	---	CHEVROLET	TRUCK
J8T*	---	GM TRUCK & BUS	TRUCK
<hr/>			
1G8	2G8	CHEVROLET	MPV
1G5	2G5	GM TRUCK & BUS	MPV
<hr/>			
1GB	2GB	CHEVROLET	INCOMPLETE VEHICLE
1GD	2GD	GM TRUCK & BUS	INCOMPLETE VEHICLE
1GG	---	GM TRUCK & BUS	INCOMPLETE VEHICLE
1GE	---	CADILLAC	INCOMPLETE VEHICLE
---	2GJ	GM OF CANADA	INCOMPLETE VEHICLE
J8B*	---	CHEVROLET	INCOMPLETE VEHICLE
J8D*	---	GM TRUCK & BUS	INCOMPLETE VEHICLE
<hr/>			
1GA	2GA	CHEVROLET	BUS
1G0	2G0	GM TRUCK & BUS	BUS
---	2GH	GM OF CANADA	BUS

\* GM merchandised vehicles built by Isuzu Motors, Kawasaki, Japan



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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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A. General Information (Continued)

TABLE A2: Model Year Codes (VIN Position 10)

<u>CODE</u>	<u>YEAR</u>
A	1980
B	1981
C	1982
D	1983
E	1984
F	1985
G	1986
H	1987
J	1988
K	1989
L	1990
M	1991
N	1992
P	1993
R	1994
S	1995
T	1996
V	1997
W	1998
X	1999
Y	2000
1	2001
2	2002
3	2003
4	2004
5	2005
6	2006
7	2007
8	2008
9	2009
A	2010
B	2011
etc.	



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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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A. General Information (Continued)

TABLE A3: Check Digit Procedure (VIN position 9)

A check digit shall be provided as part of each vehicle identification number. The check digit shall occupy the ninth position in the vehicle identification number and appear as part of the number on the vehicle and on any documents containing the vehicle identification number.

The check digit is determined by carrying out the mathematical computation as follows:

- (1) Assign to each number in the vehicle identification number its actual mathematical value, and assign to each letter the value specified in the table below.

A=1	J=1	T=3
B=2	K=2	U=4
C=3	L=3	V=5
D=4	M=4	W=6
E=5	N=5	X=7
F=6	P=7	Y=8
G=7	R=9	Z=9
H=8	S=2	

- (2) Multiply the assigned value for each position in the vehicle identification number by the weight factor specified in the following table.

Position and Weight Factor

1st	8	10th	9
2nd	7	11th	8
3rd	6	12th	7
4th	5	13th	6
5th	4	14th	5
6th	3	15th	4
7th	2	16th	3
8th	10	17th	2
9th	0		

- (3) Add the resulting products and divide the total by 11.

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## GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

### A. General Information (Continued)

TABLE A3: Check Digit Procedure (VIN position 9)

- (4) The remainder is the check digit which will be inserted in the ninth position. If the remainder is 0-9, the check digit is that numeric value; if the remainder is 10, the check digit is X.

EXAMPLE:

VIN POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=

VEHICLE  
IDENTIFICATION  
NUMBER  
EXAMPLE

1 G 1 A Z 3 7 A Ø B D 4 2 3 4 5 6

ASSIGNED  
VALUE

1 7 1 1 9 3 7 1 Ø 2 4 4 2 3 4 5 6

MULTIPLY  
BY WEIGHT  
FACTOR

x x x x x x x x Ø x x x x x x x x  
8 7 6 5 4 3 2 10 Ø 9 8 7 6 5 4 3 2

ADD  
PRODUCTS

8+49 +6 +5+36 +9+14+10 Ø +18+32+28+12+15+16+15+12 = 285

DIVIDE  
BY 11

285/11 = 25 + 10/11, remainder = 10

Therefore

CHECK DIGIT is: X (It will appear as the character in the 9th position of the VIN)



GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

A. General Information

TABLE A4: GM Plant Codes (VIN position 11)

<u>CODE</u>	<u>PLANT NAME</u>	<u>STATE</u>	<u>OPERATING DIVISION</u>
<u>WHEN VIN POSITION 1 IS "1" (U.S.A.):</u>			
A	LAKEWOOD	GA	GMAD
B	BALTIMORE	MD	GMAD
D	DORAVILLE	GA	GMAD
E	LINDEN	NJ	GMAD
F	FLINT	MI	TRUCK & BUS
G	FRAMINGHAM	MA	GMAD
H	FLINT	MI	BUICK
J	JANESVILLE	WI	GMAD
K	LEEDS	MO	GMAD
L	VAN NUYS	CA	GMAD
M	LANSING	MI	OLDSMOBILE
N	NORWOOD	OH	GMAD
P	PONTIAC	MI	PONTIAC
R	ARLINGTON	TX	GMAD
S	ST LOUIS	MO	TRUCK & BUS
T	TARRYTOWN	NY	GMAD
U	HAMTRAMCK	MI	-
V	PONTIAC	MI	TRUCK & BUS
W	WILLOW RUN	MI	GMAD
X	FAIRFAX	KS	GMAD
Y	WILMINGTON	DE	GMAD
0	PONTIAC	MI	TRUCK & BUS
1	WENTZVILLE	MO	GMAD
2	MORAINÉ	OH	TRUCK & BUS
3	DETROIT	MI	TRUCK & BUS
4	ORION	MI	GMAD
5	BOWLING GREEN	KY	GMAD
6	OKLAHOMA CITY	OK	GMAD
7	LORDSTOWN	OH	GMAD
8	SHREVEPORT	LA	TRUCK & BUS
9	DETROIT	MI	CADILLAC
<u>WHEN VIN POSITION 1 IS "2" (CANADA):</u>			
1	OSHAWA #2	ON	GM OF CANADA
2	STE. THERESE	PQ	GM OF CANADA
3	ST. EUSTACHE	PQ	GM OF CANADA
4	SCARBOROUGH	ON	GM OF CANADA
5	LONDON	ON	GM OF CANADA
9	OSHAWA #1	ON	GM OF CANADA
<u>WHEN VIN POSITION 1 IS "J" (JAPAN):</u>			
3	KAWASAKI	JAPAN	ISUZU MOTORS





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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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B. Passenger Cars

TABLE B2c: Carline/Series Codes - OLDSMOBILE (VIN Positions 4 & 5)

For Vehicles With Make Identifier Code: 1G3

<u>CARLINE CODE</u>	<u>SERIES CODE</u>	<u>DESCRIPTION</u>
C	W	98 REGENCY BROUGHAM (FWD)
C	X	98 REGENCY (FWD)



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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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B. Passenger Cars

TABLE B2d: Carline/Series Codes - BUICK (VIN Positions 4 & 5)

For Vehicles With Make Identifier Code: 1G4

<u>CARLINE CODE</u>	<u>SERIES CODE</u>	<u>DESCRIPTION</u>
C	F	ELECTRA T-TYPE (FWD)
C	W	ELECTRA PARK AVENUE (FWD)
C	X	ELECTRA (FWD)



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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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B. Passenger Cars

TABLE B2e: Carline/Series Codes - CADILLAC (VIN Positions 4 & 5)

For Vehicles With Make Identifier Code: 1G6

<u>CARLINE CODE</u>	<u>SERIES CODE</u>	<u>DESCRIPTION</u>
C	B	FLEETWOOD (FWD)
C	D	DEVILLE (FWD)
C	H	FLEETWOOD LIMOUSINE (FWD)



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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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B. Passenger Cars

TABLE B3: Body Types With Non-passive Restraint System (Manual Belts)  
(VIN Positions 6 & 7)

For Vehicles with Make Identifier Codes: 1G3, 1G4, 1G6

<u>CODE</u>	<u>DESCRIPTION</u>
11	Sedan 2 Door Notchback
23	Sedan 4 Door 6 Window Notchback Auxiliary Seat
47	Coupe 2 Door Notchback Special
69	Sedan 4 Door 4 Window Notchback



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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

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B. Passenger Cars

TABLE B4: Engine Codes (VIN Position 8)

For Vehicles With Make Identifier Codes: 1G3, 1G4, 1G6

<u>CODE</u>	<u>ENGINE DESCRIPTION</u>	<u>DESIGN RESPONSIBILITY</u>
T	4.3L V6 Die	Oldsmobile
3	3.8L V6 MFI	Buick
8	4.1L V8 DFI	Cadillac