GM ORIGINAL

01-22-NIB- 1530

USG 2296 Part II
April 27, 1984

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

Attention: VIN Coordinator

Gentlemen:

This letter transmits Vehicle Identification Number
(VIN) decoding information for General Motors' 1985
model year passenger cars. The submittal covers
Sections A and B of the General Motors Vehicle Identifi-
cation Numbering Standard, and includes the information
contained in our letter of January 19, 1984 (USG 2296).
This material is submitted in compliance with paragraph
565.5(d) of Federal Motor Vehicle Safety Regulation 565,
Vehicle Identification Number - Content Requirements.

This submission includes decoding information for those
passenger cars, manufactured in Japan by both Isuzu and
Suzuki, that will be merchandised in the United States
and its territories by GM's Chevrolet and Pontiac Motor
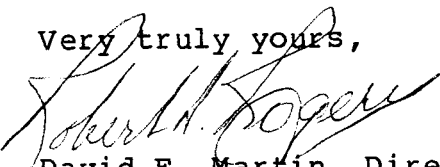Divisions and in Canada by General Motors of Canada Ltd.

IMPORTANT - Beginning with 1985 model year passenger
vehicles the GM VIN format is being modified to sepa-
rately 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.

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Ten copies of this submittal have been furnished to the docket room under separate cover for inclusion in Docket O1-22-N11B.

Very truly yours,

David E. Martin, Director
Automotive Safety Engineering

Enclosure

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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

Passenger Car Issue – April, 1984

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Information Standards

GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

A. **General Information**

TABLE A1: **GM Make Identifiers** (VIN positions 1, 2 and 3)

MAKE IDENTIFIER

U.S.	CANADA	MEXICO	JAPAN	MAKE	TYPE
1G1	2G1	---	JG1 +	CHEVROLET	PASSENGER CAR
1G2	2G2	---	JG2 +	PONTIAC	PASSENGER CAR
1G3	2G3	---	---	OLDSMOBILE	PASSENGER CAR
1G4	---	---	---	BUICK	PASSENGER CAR
1G6	---	---	---	CADILLAC	PASSENGER CAR
1G7	---	---	JG7 +	GM OF CANADA	PASSENGER CAR
---	---	---	J81 ++	CHEVROLET	PASSENGER CAR
---	---	---	J87 ++	GM OF CANADA	PASSENGER CAR
1GC	2GC	3GC	J8C ++	CHEVROLET	TRUCK
1GT	2GT	3GT	J8T ++	GM TRUCK & BUS	TRUCK
1G8	2G8	---	---	CHEVROLET	MPV
1G5	2G5	---	---	GM TRUCK & BUS	MPV
1GB	2GB	---	J8B ++	CHEVROLET	INCOMPLETE VEHICLE
1GD	2GD	---	J8D ++	GM TRUCK & BUS	INCOMPLETE VEHICLE
1GG	---	---	---	GM TRUCK & BUS	INCOMPLETE VEHICLE
1GE	---	---	---	CADILLAC	INCOMPLETE VEHICLE
1GA	2GA	---	---	CHEVROLET	BUS
1G0	2G0	---	---	GM TRUCK & BUS	BUS
---	2GH	---	---	GM OF CANADA	BUS
1GH	---	---	---	GM TRUCK & BUS	BUS

+ GM Merchandised Vehicles Built by Suzuki, Kosai, Japan.

++ GM Merchandised Vehicles Built by Isuzu Motors, Kawasaki
and Fujisawa, Japan.

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

A. **General Information** (Continued)

TABLE A2: **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

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

A. General Information (Continued)

TABLE A2: 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	ꙮ	B	D	4	2	3	4	5	6
ASSIGNED VALUE	1	7	1	1	9	3	7	1	ꙮ	2	4	4	2	3	4	5	6
MULTIPLY BY WEIGHT FACTOR	x	x	x	x	x	x	x	x	ꙮ	x	x	x	x	x	x	x	x
	8	7	6	5	4	3	2	10	ꙮ	9	8	7	6	5	4	3	2

ADD PRODUCTS   8+49 +6 +5+36 +9+14+10   ꙮ +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. <u>General Information</u> (Continued)

  <u>TABLE A3</u>: <u>Model Year Codes</u> (VIN Position 10)

CODE	YEAR
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

A. **General Information**

TABLE A4:   GM Plant Codes (VIN position 11)

CODE	PLANT NAME	STATE	OPERATING UNIT
WHEN VIN POSITION 1 IS "1" (U.S.A.):			
A	LAKEWOOD	GA	GMAD
B	BALTIMORE	MD	GMAD
C	LANSING (B)	MI	OLDSMOBILE
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 (A)	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	GMAD
V	PONTIAC	MI	TRUCK & BUS
W	WILLOW RUN	MI	GMAD
X	FAIRFAX	KS	GMAD
Y	WILMINGTON	DE	GMAD
Z	FREMONT	CA	-
0	PONTIAC	MI	TRUCK & BUS
1	WENTZVILLE	MO	GMAD
2	MORAINE	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
WHEN VIN POSITION 1 IS "2" (CANADA):			
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

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

A. General Information

TABLE A4: GM Plant Codes (VIN position 11)

CODE	PLANT NAME	STATE	OPERATING UNIT

WHEN VIN POSITION 1 IS "J" (JAPAN):

CODE	PLANT NAME	STATE	OPERATING UNIT
K	KOSAI	JAPAN	SUZUKI
3	KAWASAKI	JAPAN	ISUZU MOTORS
8	FUJISAWA	JAPAN	ISUZU MOTORS

WHEN VIN POSITION 1 IS "3" (MEXICO):

CODE	PLANT NAME	STATE	OPERATING UNIT
S	RAMOS ARIZPE	MEXICO	GM OVERSEAS

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GM | GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

B. **Passenger Cars**

TABLE B1: VIN Format

For Vehicles With Make Identifier Codes:

```
1G1   1G2   1G3   1G4   1G6   1G7
2G1   2G2   2G3
JG1   JG2               JG7
J81                     J87
```

VIN POSITION	CHARACTER TYPE*	ATTRIBUTE
1-3	BBB	Make Identifier (Table A1)
4,5	AA	Carline and Series (Tables B2)
6,7	NN	Body Type/Restraint System (Table B3)
8	B	Engine Code (Table B4)
9	B	Check Digit (Table A2)
10	B	Model Year (Table A3)
11	B	Plant of Manufacture (Table A4)
12-17	NNNNNN	Sequence Number

```
* Character Type:  A = Alpha Characters
                   N = Numerics
                   B = Both alpha and numeric
```

Typical 1985 Model Year GM Passenger Car VIN: 1G1GZ37H0FR123456

1-3	1G1	U.S. origin GM Chevrolet Passenger Vehicle
4,5	GZ	Monte Carlo
6,7	37	2-Door Sport Coupe with manual belts
8	H	5.0L V8 4-barrel Chevrolet engine
9	0	Check digit
10	F	Model Year 1985
11	R	Arlington, TX assembly plant
12-17	123456	Sequence number

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

B. **Passenger Cars**

TABLE B2a: Carline and Series Codes - CHEVROLET (VIN positions 4 and 5)

For vehicles with Make Identifier Codes: 1G1, 2G1, JG1, J81

CARLINE	SERIES	DESCRIPTION
A	W	CELEBRITY
B	L	IMPALA
B	N	CAPRICE CLASSIC
F	P	CAMARO SPORT COUPE
F	S	CAMARO BERLINETTA
G	Z	MONTE CARLO
J	C	CAVALIER
J	D	CAVALIER CS
J	E	CAVALIER TYPE 10
M	R	SPRINT
R	F	SPECTRUM - LEVEL I
R	G	SPECTRUM - LEVEL II
T	B	CHEVETTE CS
T	J	CHEVETTE
X	H	CITATION II COUPE
X	X	CITATION II
Y	Y	CORVETTE

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

B. **Passenger Cars**

TABLE B2b: **Carline and Series Codes - PONTIAC** (VIN positions 4 and 5)

For Vehicles With Make Identifier Codes: 1G2, 2G2, JG2

CARLINE	SERIES	DESCRIPTION
A	F	PONTIAC 6000
A	G	PONTIAC 6000 LE
A	H	PONTIAC 6000 STE
B	L	PARISIENNE
B	T	PARISIENNE BROUGHAM
F	S	FIREBIRD
F	W	FIREBIRD TRANS AM
F	X	FIREBIRD SE
G	J	GRAND PRIX
G	K	GRAND PRIX LE
G	N	BONNEVILLE
G	P	GRAND PRIX BROUGHAM
G	R	BONNEVILLE BROUGHAM
G	S	BONNEVILLE LE
J	B	SUNBIRD
J	C	SUNBIRD LE
J	D	SUNBIRD SE
N	E	GRAND AM
N	V	GRAND AM LE
P	E	FIERO COUPE
P	F	FIERO SE COUPE
P	G	FIERO GT COUPE
P	M	FIERO SPORT COUPE
T	L	PONTIAC 1000
M	R	FIREFLY

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

B. **Passenger Cars**

TABLE B2c: **Carline and Series Codes - OLDSMOBILE** (VIN positions 4 and 5)

For Vehicles With Make Identifier Codes: 1G3, 2G3

CARLINE	SERIES	DESCRIPTION
A	J	CUTLASS CIERA LS and CUTLASS CRUISER WAGON
A	M	CUTLASS CIERA BROUGHAM
B	N	DELTA 88 ROYALE
B	P	CUSTOM CRUISER STATION WAGON
B	V	DELTA 88 ROYAL BROUGHAM LS
B	Y	DELTA 88 ROYALE BROUGHAM
C	W	98 REGENCY BROUGHAM
C	X	98 REGENCY
E	Z	TORONADO BROUGHAM
G	K	CUTLASS SALON COUPE
G	M	CUTLASS SUPREME BROUGHAM
G	R	CUTLASS SUPREME
J	C	FIRENZA
J	D	FIRENZA BROUGHAM
N	F	CALAIS
N	T	CALAIS SUPREME

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General Motors Corporation

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B. **Passenger Cars**

TABLE B2d: Carline and Series Codes - BUICK (VIN positions 4 and 5)

For Vehicles With Make Identifier Codes: 1G4

CARLINE	SERIES	DESCRIPTION
A	G	CENTURY T-TYPE
A	H	CENTURY CUSTOM
A	L	CENTURY LIMITED
B	N	LE SABRE CUSTOM
B	P	LE SABRE LIMITED
B	R	LE SABRE ESTATE WAGON
B	V	ELECTRA ESTATE WAGON
C	F	ELECTRA T-TYPE
C	W	ELECTRA PARK AVENUE
C	X	ELECTRA
E	Y	RIVIERA T-TYPE
E	Z	RIVIERA LUXURY
G	J	REGAL
G	K	REGAL T-TYPE
G	M	REGAL LIMITED
J	E	SKYHAWK T-TYPE
J	S	SKYHAWK CUSTOM
J	T	SKYHAWK LIMITED
N	J	SOMERSET REGAL
N	M	SOMERSET REGAL LIMITED
X	B	SKYLARK CUSTOM
X	C	SKYLARK LIMITED
X	D	SKYLARK T-TYPE

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

B. Passenger Cars

TABLE B2e: Carline and Series Codes - CADILLAC (VIN positions 4 and 5)

For Vehicles With Make Identifier Codes: 1G6

CARLINE	SERIES	DESCRIPTION
C	B	FLEETWOOD (FWD)
C	D	DEVILLE (FWD)
C	H	FLEETWOOD LIMOUSINE (FWD)
D	W	FLEETWOOD BROUGHAM (RWD)
E	L	ELDORADO
J	G	CIMARRON
K	S	SEVILLE

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

B. **Passenger Cars**

TABLE B2f: Carline and Series Codes – GM OF CANADA (VINS positions 4 and 5)

For Vehicles With Make Identifier Codes: 1G7, JG7, J87

CARLINE	SERIES	DESCRIPTION
T	B	ACADIAN
T	J	ACADIAN SCOOTER
M	R	FIREFLY
R	F	SUNBURST
R	G	SUNBURST LE

GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

B. Passenger Cars

TABLE B3: Body Types by Restraint System (VIN positions 6 & 7)

For Vehicles With Make Identifier Codes:

1G1 1G2 1G3 1G4 1G6 1G7
2G1 2G2 2G3
JG1 JG2   JG7
J81   J87

CODE DESCRIPTION (Including manual belts)

07   Coupe 2 door plain back (hatchback)

08   Sedan 2 door plain back (hatchback)

11   Sedan 2 door notchback

19   Sedan 4 door 6 window notchback

23   Sedan 4 door 6 window notchback auxilliary seat

27   Coupe 2 door notchback

33   Sedan 4 door 6 window notchback auxilliary seat (center partition)

35   Station Wagon 4 door 2 seat

37   Coupe 2 door notchback special

47   Coupe 2 door notchback special

57   Coupe 2 door notchback special

67   Coupe 2 door convertible

68   Sedan 4 door 6 window plain back hatchback

69   Sedan 4 door 4 window notchback

77   Coupe 2 door plain back hatchback

87   Coupe 2 door plain back special

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GM VEHICLE IDENTIFICATION NUMBERING STANDARDS

B. **Passenger Cars**

TABLE B4: Engine Codes (VIN position 8)

For Vehicles With Make Identifier Codes:

```
1G1   1G2   1G3   1G4   1G6   1G7
2G1   2G2   2G3   2G4
JG1   JG2               JG7
J81                     J87
```

CODE	ENGINE DESCRIPTION	DESIGN BY
A	3.8L V6 2	Buick
C	1.6L L4 2	Chev
D	1.8L L4 Die	Isuzu
E	3.0L V6 2	Buick
F	5.0L V8 EFI	Chev
G	5.0L V8 4	Chev
H	5.0L V8 4	Chev
J	1.8L L4 MFI	Pont
K	1.5L L4 2	Isuzu
L	3.0L V6 MFI	Buick
M	1.0L L3 2	Suzuki
N	5.7L V8 Die	Olds
P	2.0L L4 TBI	Chev
R	2.5L L4 TBI	Pont
S	2.8L V6 MFI	Chev
T	4.3L V6 Die	Olds
U	2.5L L4 TBI	Pont
V	4.3L V6 Die	Olds
W	2.8L V6 MFI	Chev
X	2.8L V6 2	Chev
Y	5.0L V8 4	Olds
Z	4.3L V6 TBI	Chev
0	1.8L L4 TBI	Pont
2	2.5L L4 EFI	Pont
3	3.8L V6 MFI	Buick
5	1.5L L4 Die	Isuzu
6	5.7L V8 4	Chev
7	4.3L V6 Die	Olds
8	4.1L V8 DFI	Cad
8	5.7L V8 MFI	Chev
9	2.8L V6 MFI	Pont
9	3.8L V6 SFI	Buick
9	5.0L V8 4	Olds