

B 6/24/86 pdg

01-22-N11B-2383



**ELLIS & WATTS**  
DIVISION OF DYNAMICS CORPORATION OF AMERICA

ORIGINAL

8 pgs

June 13, 1986

National Highway Traffic Safety Administration  
400 Seventh Street SW  
Washington, DC 20590

Subject: VIN Identification System

Dear Sir/Madam:

Ellis and Watts is updating our existing records on our VIN procedures at this time, due to an increase in our commercial business.

This letter is being sent to you to reconfirm our original document sent to you in September, 1980 showing how we developed our VIN number.

We have not made any changes in our procedure since our original filing. Attached is a copy of the letter from SAE dated May 21, 1986 confirming the WMI codes assigned to Ellis and Watts and a copy of the Ellis and Watts VIN identification system.

We trust that you find these documents meet with your approval.

Sincerely,

ELLIS AND WATTS

*W. Kubicki*  
William Kubicki  
Chief Engineer

WMK:afb

encls:





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SECTION A: Consists of 3 characters = 1E9 which has been assigned by SAE and will remain constant in all VIN numbers.

SECTION B: Consists of 5 characters identifying the vehicle attributes. Characters consist of numbers and letters.

4 - Defines "type" of trailer:

S = Semitrailer  
E = Expansible  
F = Flat Bed (open type)  
C = Converter Dolly  
D = Drop Frame  
T = Full Trailer

5 - Defines the "series" of trailer:

E = Electronics  
G = Generator  
S = Supply  
M = Maintenance

6 - Defines the "body" type:

1 = Closed Van (insulated)  
2 = Closed Van (not insulated)  
3 = Closed Van (removable body)  
4 = No Body  
5 = Closed Van (insulated with ECU)

7 - Defines the "body" length:

1 = 20 ft. or less  
2 = 25 ft.  
3 = 30 ft.  
4 = 35 ft.  
5 = 40 ft.  
6 = 45 ft.  
7 = 50 ft.  
8 = 55 ft.  
9 = 60 ft.  
0 = 65 ft.  
A = 70 ft.  
B = 75 ft.

8 - Defines the axle configuration:

- 1 = Single Axle (spring suspension)
- 2 = Single Axle (air ride)
- 3 = Tandem Axle (spring axle)
- 4 = Tandem Axle (air ride)
- 5 = Tri-Axle (spring suspension)
- 6 = Tri-Axle (air ride)

SECTION C This is a check digit and must be calculated as prescribed in the standard after all other 16 digits have been determined.

SECTION D Consists of 8 numbers or letters to identify the year of manufacture, plant manufactured, and vehicle serial numbers.

10 - Vehicle Model Year

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

11 - Plant of Manufacture

- 1 = Ellis and Watts  
P.O. Box 44010  
4400 Glen Willow Lake Lane  
Cincinnati, Ohio 45244

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August 30, 1980

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12 thru - Serial Number of Vehicle  
17

(12,13,14) = 013 - This 3-digit series has been assigned  
by SAE and will remain constant in all  
VIN numbers

(15,16,17) = Sequential numbers of vehicles produced (1 to 500)

Motorized Vehicles:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
A			B				C	D								

SECTION A: Consists of 3 characters = 1E9 which has been assigned by SAE and will remain constant in all VIN numbers.

SECTION B: Consists of 5 characters identifying the vehicle attributes. Characters consist of numbers and letters.

4 - Defines the line/series

- V = Walk-in type van body
- T = Box body mounted on truck chassis
- M = Motor home series modified
- B = Bus type body mounted on bus chassis

5 - Defines the chassis type

- A = Motor home chassis
- B = Truck chassis
- C = Bus chassis
- D = Special design chassis
- E = Forward control chassis

6 - Defines the engine type

- 1 = Gasoline engine
- 2 = Diesel engine
- 3 = No motive power source

7 - Defines the brake system

- 1 = Hydraulic brakes
- 2 = Air over hydraulic brakes
- 3 = Electric brakes
- 4 = Air brakes

8 - Determines Vehicle GVWR Class

- |             |                     |
|-------------|---------------------|
| 1 = Class A | Less than 300 lbs.  |
| 2 = Class B | 3000 - 4000 lbs     |
| 3 = Class C | 4001 - 5000 lbs     |
| 4 = Class D | 5001 - 6000 lbs     |
| 5 = Class E | 6001 - 7000 lbs     |
| 6 = Class F | 7001 - 8000 lbs     |
| 7 = Class G | 8001 - 9000 lbs     |
| 8 = Class H | 9001 - 10,000 lbs   |
| 9 = Class 3 | 10,001 - 14,000 lbs |
| 0 = Class 4 | 14,001 - 16,000 lbs |
| A = Class 5 | 16,001 - 19,500 lbs |
| B = Class 6 | 19,501 - 26,000 lbs |
| C = Class 7 | 26,001 - 33,000 lbs |
| D = Class 8 | 33,001 and greater  |

SECTION C: This is a check digit and must be calculated as prescribed in the standard after all other 16 digits have been determined.

SECTION D: Consists of 8 numbers or letters to identify the year of manufacture, plant manufactured, and vehicle serial numbers.

10 -Vehicle Model Year

- |          |          |
|----------|----------|
| A = 1980 | S = 1995 |
| B = 1981 | T = 1996 |
| C = 1982 | V = 1997 |
| D = 1983 | W = 1998 |
| E = 1984 | X = 1999 |
| F = 1985 | Y = 2000 |
| G = 1986 | 1 = 2001 |
| H = 1987 | 2 = 2002 |
| J = 1988 | 3 = 2003 |
| K = 1989 | 4 = 2004 |
| L = 1990 | 5 = 2005 |
| M = 1991 | 6 = 2006 |
| N = 1992 | 7 = 2007 |
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August 30, 1980

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11 - Plant of Manufacture

1 = Ellis and Watts  
P.O. Box 44010  
4400 Glen Willow Lake Lane  
Cincinnati, Ohio 45244

12 thru - Serial Number of Vehicle  
17

(12,13,14) = 014 - This 3-digit series has been assigned  
by SAE and will remain constant in all  
VIN numbers

(15,16,17) = Sequential numbers of vehicles produced (1 to 500)

All of the above data pertaining to Ellis and Watts mobile products will be registered with the Federal Government. Changes and additions may be made in accordance with the procedure described in the standard.

All certification labels will be attached to each vehicle in accordance with the prescribed method and location as described in the standard.

Regards,

ELLIS & WATTS

R. Troxel

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