



Great Dane Trailers, Inc.

15 2/21 01 148801
Victor L. Johnson, Jr.
SENIOR VICE PRESIDENT
MATERIALS AND PLANNING

November 14, 1988

9 pgs

01-22-N11B-3224

National Highway Traffic Safety Administration
400 Seventh Street, S. W.
Washington, DC 10590

Attention: VIN Section - FMVSS-115

ORIGINAL

Gentlemen:

Enclosed is a memo to me from our Assistant Director of Engineering and a revision of our VIN (Code F). This revision was necessitated by our purchase of a manufacturing facility at Wayne, Nebraska, formerly owned by Timpote, Inc.

Sincerely,

VLJ/mc

Enclosure



Great Dane Trailers

Interoffice Correspondence

From: Dudley DeWitt

Date: 9/14/88

To: Vic Johnson

Subject: Great Dane V.I.N.
Effective 1 Oct 1988

cc: Harvey Granger
Fred Mote
John Storz
Don Bagwell
Ron Hathaway
Jimmy Yglesias
Mike Thomas
Paul Crabtree-Memphis Plant
Manning Faust-Brazil
Jim Hofstetter-Wayne

Enclosed you will find the revised V.I.N. number for Great Dane Trailers effective 1 October 1988. The only change, in Section 3, Digit 2 Plant of Manufacture: a "W" was added to indicate the Wayne plant.

This will need to be transmitted to NHTSA as you have done in the past.

If there are any questions please let me know.

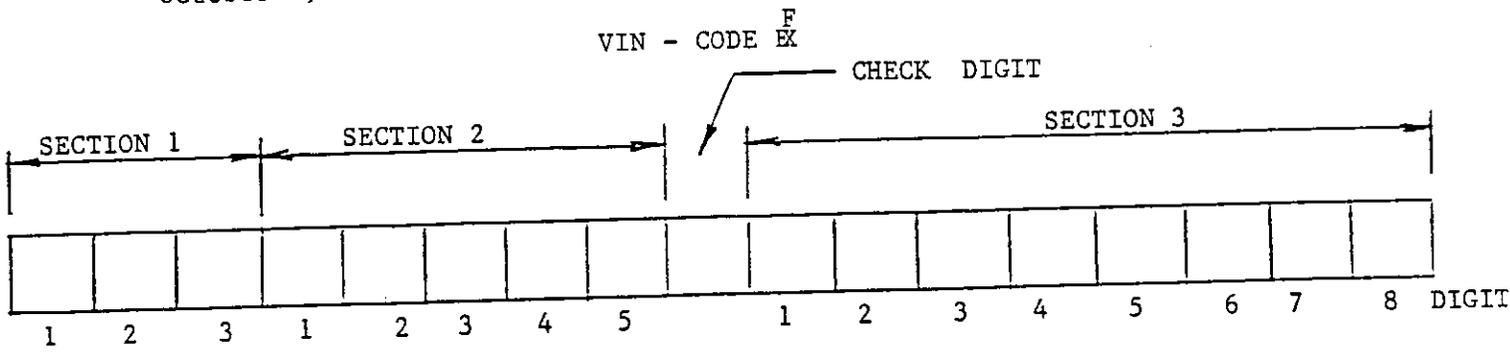

DED

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Enclosure

Revised: January 10, 1983 (B)
 October 12, 1983 (C)
 December 1, 1984 (D)
 December 1, 1985 (E)
 October 1, 1988 (F)

December 10, 1979 (A)
 FMVSS-115
 Docket 1-22
 Notice 8



SECTION 1 - IDENTIFICATION - 3 DIGITS

DIGIT 1 - Country of Manufacture
 United States = 1

DIGITS 2 & 3 - Manufacturer Identification assigned by S.A.E.
 Great Dane = GR

SECTION 2 - ATTRIBUTES - 5 DIGITS

DIGIT 1 - Type of Trailer

- Semi-Trailer-Dry Freight Van = A
- Semi-Trailer - Reefer Van = A
- Semi-Trailer - Insulated Van = A
- Semi-Trailer - Platform = D
- Semi-Trailer - Other = E
- Semi-Trailer - Low Boy = L
- Semi-Trailer - Pulpwood Transport = L

DIGIT 2 - Series or Body Type

- Aluminum Straight Frame = A
- Aluminum Drop Frame = A
- Aluminum Wedge = A
- Aluminum Open Top = A
- Stainless Steel Straight Frame = A
- Stainless Steel Drop Frame = A
- Stainless Steel Wedge = A
- FRP Straight Frame = A
- FRP Drop Frame = A
- FRP Wedge = A
- FRP Open Top = A
- Straight Deck = M
- Drop Deck = M
- Extendable = M
- Chassis = R
- Dolly = R
- Other = T
- Gooseneck = V
- Detachable Gooseneck = V
- Side Panel Other Than Alum. = X
- Stainless Steel or FRP = X

DIGITS 3 & 4 - Trailer Length Code
 Trailer Length X 2

Examples -

Length in Feet	Length Code
27.0'	54
40.0'	80
40.5'	81
41.0'	82
44.5'	89
45.0'	90

DIGIT 5 - Axle Configuration

One Axle	=	1	Four Axles	=	4
Two Axles	=	2	Five Axles	=	5, and so on
Three Axles	=	3			

SECTION 3 - SPECIFIC VEHICLE IDENTIFICATION - 8 DIGITS

DIGIT 1 - Vehicle Year Model

Year	Code	Year	Code
1980	A	2005	5
1981	B	2006	6
1982	C	2007	7
1983	D	2008	8
1984	E	2009	9
1985	F	2010	A
1986	G	2011	B
1987	H	2012	C
1988	J		
1989	K		
1990	L		
1991	M		
1992	N		
1993	P		
1994	R		
1995	S		
1996	T		
1997	V		
1998	W		
1999	X		
2000	Y		
2001	1		
2002	2		
2003	3		
2004	4		

DIGIT 2 - Plant of Manufacture

Savannah Georgia = S
Brazil Indiana = B
Memphis Tennessee = M
Jacksonville, Florida = J
Wayne, Nebraska = W

DIGITS 3, 4, 5, 6 - Production Shop Order

Examples

0001
0014
0347
4825

DIGITS 7 & 8 - Unit Serial Number
(Up to 99 per order No.)

Examples

One trailer = 01
Three trailers = 01 thru 03
Twenty trailers = 01 thru 20

CHECK DIGIT - 1 DIGIT

A Check Digit must be shown between Section 2 and Section 3. The Check Digit is determined by a mathematical computation.

Assign to each number in the vehicle identification number its actual mathematical value and assign to each letter the value specified:

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	

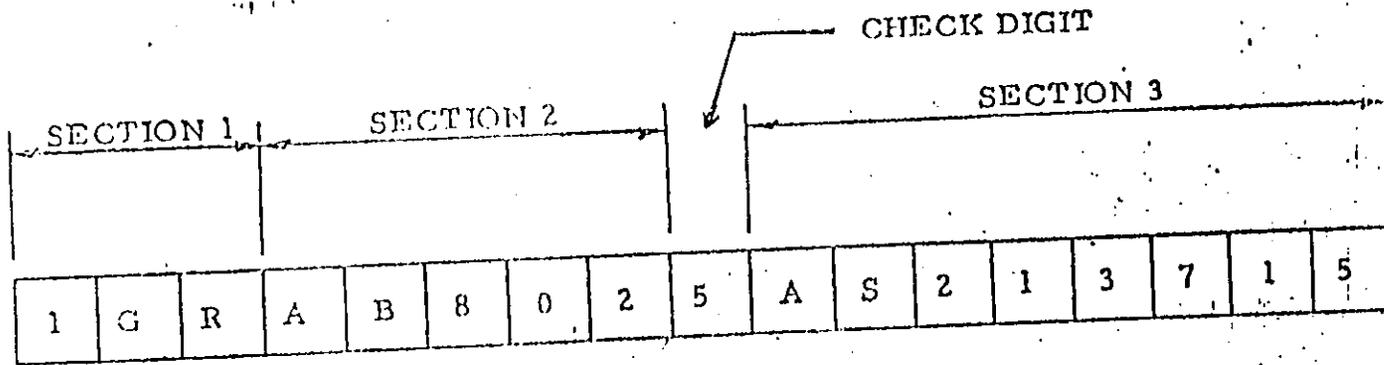
Multiply the assigned value for each character in the vehicle identification number by the weight factor specified below.

Character & Weight Factor	
1st	8
2nd	7
3rd	6
4th	5
5th	4
6th	3
7th	2
8th	10
Check Digit	0
9th	9
10th	8
11th	7
12th	6
13th	5
14th	4
15th	3
16th	2

Add the resulting products and divide the total by 11. The remainder is the Check Digit. If the remainder is 10, the Check Digit is X.

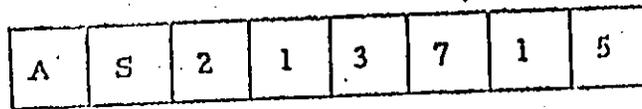
EXAMPLE:

Vehicle Identification Number	
Character	1 G R A B 8 0 2 - A S 2 1 3 7 1 5
Assigned Value	1 7 9 1 2 8 0 2 - 1 2 2 1 3 7 1 5
Multiply by-Weight Factor	8 7 6 5 4 3 2 10 0 9 8 7 6 5 4 3 2
Add Products	$8+49+54+5 +8 +24+ 0+20+0 \quad 9+16+ 14+ 6+15+28+ 3+10 = 269$
Divide by 11	$269/11 = 24 \text{ } 5/11$
Check Digit	5 (this is character for 9th position)



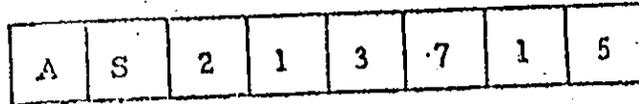
Form 1

= Full V. I. N. Number.
Used on all Legal Documents



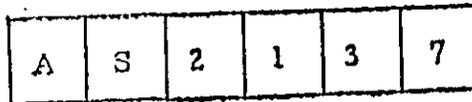
Form 2

= Internal Serial Numbers.
Used on all Internal Documents



Form 3

= Hidden Serial Number.



Form 4

= Shop Order Number

V.I.N. DEFINITIONS & CLARIFICATIONS

SECTION 2 - DIGIT 1

Reefer Van - Trailer with the side wall insulation thickness greater than the upright thickness. That is a trailer with side wall furring.

Insulated Van - Trailer with the side wall insulation thickness equal to or less than the upright thickness. That is a trailer without side wall furring.

SECTION 2 - DIGIT 3 & 4

Trailer Length Code - The trailer length shall be rounded to the nearest .5 ft. of length before multiplying by 2 to obtain the trailer length code.

When the trailer length falls midspan between .5 foot intervals, then the length should be rounded up before multiplying by 2 to obtain the trailer length code: Examples:

40'-3" use 40'-6" with length code of 81.

40'-9" use 41'-0" with length code of 82.

Extendable lengths shall be the length in the closed or shortest position.

Dolly length shall be the length from the center of the two bar eye to the center of the lower coupler rounded to the nearest .5 feet before converting to a length code.

WHERE USED

Form 1 - Used on the trailer V.I,N. Plate. Used on the "Manufacturer's State of Origin" and any other legal documents required.

Form 2 - Used on all internal documents, warranty certificates and invoice forms.

Form 3 - Used for all hidden numbers.

Form 4 - Used for the shop order number only.