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5662

# R.M. WARREN MANUFACTURING

09-08-94  
01-22-N11B-5665

Sales (503) 459-4263  
Shop (503) 459-5987  
1774 W. Duke  
Sutherlin, OR 97479

May 18, 1994

National Highway Traffic Safety Administration  
ATTN: VIN Coordinator, NRM-15, Rm. 5307A  
400 7th Street  
S.W. Washington, D.C. 20590

2p.

To Whom It May Concern:

The following is an explanation of the formulation of a 17-digit VIN number.

Example: 21 foot flatbed standard 2-axle trailer

Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VIN	1	R	9	F	S	2	1	2	(0)	R	S	2	4	1	0	0	5
Con. Value	1	9	9	6	2	2	1	2	9	2	2	4	1	0	0	5	
Multiplier	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
Product	8	63	54	30	8	6	2	20	81	16	14	24	5	0	0	10	

There are 17 digits required to construct a VIN number.

The first 3 digits are assigned by SAE. The 4th digit shows the type of trailer ie F-flatbed U-utility. The fifth digit shows the body type of the trailer ie S-standard P-special. The next 2 positions, numbers 6 and 7, show the total overall length in feet. Position 8 shows the number of axles on the trailer.

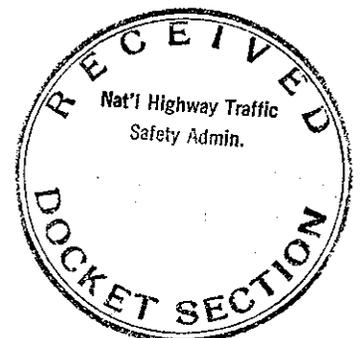
Position number 9 is the check digit, which will be explained later.

Position 10 shows the model year of the trailer, position 11 shows the plant location. I used the conversion chart to find the letters corresponding to the numbers.

Positions 12 through 14 are again assigned by SAE. These numbers are the manufacturers identifier number. Positions 15 through 17 shows the sequence in the number of trailers produced.

I used the chart on this page to formulate the check digit. The first step was to put all the numbers below the appropriate positions that were known. I then used the conversion table to change all letters used to numbers.

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01-22-N11B

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Page 2 - Construction of 17-digit VIN

Using the multipliers, I then found the product of each number. After finding these products, I then found the sum total, which was 341. I divided 341 by 11, which resulted in the number of 31.00. Using the check digit chart, I found the number for check digit would be 0. The complete 17 digit VIN number became 1R9FS212ORS241005.

Sincerely,

*Martha Warren*

Martha Warren

Secretary

R.M. Warren Manufacturing

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