

## Cretefoamer VIN Worksheet for Check Digit Calculation

Character Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Actual V.I.N.	1	R	9	A	A	1	9	2	7	C	J	7	3	7	0	0	1
Converted Value	1	9	9	1	1	1	9	2		3	1	7	3	7	0	0	1
Multiplier	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
Product	8	63	54	5	4	3	18	20	0	27	8	49	18	35	0	0	2

Sum of  
Products

Conversion Table

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

Check Digit Computation

Sum of Products	Divide by 11
314	28.55

Check Digit  
(Remainder of Check Digit Computation)

0.09	1
0.18	2
0.27	3
0.36	4
0.45	5
0.54	6
0.63	7
0.72	8
0.81	9
0.90	X
0.00	0

A      A      C      1  
A      A      C      J

Character Position	Meaning	Possible Characters
1st - 3rd	1st part of WMI Number	"1R9" Always
4th	Trailer Type	"A" = 102" Wide Trailer, Cretefoamer, Ball or Pintle Type Pull "B" = 102" Wide Trailer, Cretefoamer, Gooseneck Type Pull
5th	Body Type	"A" = 60C SCIM--Engine-Tank-Pump "B" = 20 C SCIM--Engine-Tank-Pump
6th - 7th	Length of Trailer	"12" = 8' deck length, 11'6" overall length "19" = 12' deck length, 18'6" overall length
8th	Number of Axles	"1" = One Axles "2" = Two Axles
9th	Check Digit as calculated	
10th	Model Year Code	"A" = 2010    "D" = 2014    "G" = 2016    "K" = 2019 "B" = 2011    "E" = 2015    "H" = 2017    "L" = 2020 "C" = 2012    "F" = 2016    "J" = 2018    "M" = 2021
11th	Plant of Manufacture	"J" = Janesville, IA
12th - 14th	2nd part of WMI Number	"737" Always
15th - 17th	Sequential Number of Manufacture	