01-22-N11B-2946 1/13/88 pds

CHECK DIGIT CALCULATIONS

ORIGINAL

1 pg

CHECK DIGIT

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CHARACTER																	
ACTUAL VIN	1	C	9	P	5	2	4	2	3	J	M	3	6	0	0	0	1
CONVERTED VALUES from TABLE A (below)	1	3	9	4	2	2	4	2	0	1	4	3	6	0	0	0	1
MULTIPLIER (X)	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
PRODUCT (Value x multiplier)	8	21	54	20	8	6	8	20	0	9	32	21	36	0	0	0	2

= 245 SUM OF PRODUCTS

245 SUM OF PRODUCTS / DIVIDED BY 11 = WHOLE NUMBER 22 . DECIMAL 27 ⟺

IF DECIMAL IS	CHECK DIGIT IS	IF DECIMAL IS	CHECK DIGIT IS
.09	1	.54	6
.18	2	.63	7
.27	3	.72	8
.36	4	.81	9
.45	5	.90	X
		.00	0

TABLE B

ALPHABETIC TO NUMERIC CONVERSION VALUES

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

TABLE A

NOTE: Numerical characters from actual VIN are used in check digit calculation. Alphabetical characters are converted to numerical, according to TABLE A values.

Digit Characters

#1, 2, 3, 12, 13, 14 = World Manufacturer Identifier

#4 = D - Dovetail, F - FlatBed, U - Utility, S - Stock, V - VAN

#5 = S - Standard, C - Custom

#6, 7 = length of trailer in feet

#8 = Number of Axles in use

#9 = check digit

#10 = Year of manufacture

#11 = location of manufacturing plant (M - Milano, Texas)

#15, 16, 17 = Numerical order of manufacture