

01-022-N11B-8524 ORIGINAL

Mobridge Manufacturing
1800 East Grand Crossing
Mobridge, SD 57601

WORKSHEET: 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	M	9	B	F	2	6	2		1	M	5	8	2	0	0	1	
CONVERTED VALUES	1	4	9	2	6	2	6	2		1	4	5	8	2	0	0	1	
MULTIPLIER	8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2	
PRODUCT (VALUES X MULTIPLIER)	8	28	54	10	24	6	12	20		9	32	35	48	10	0	0	2	298

SUM
OF
PRODUCTS

CONVERSION TABLE LETTERS TO NUMBERS

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 (FROM ABOVE)	DIVIDED BY	EQUALS	
		WHOLE NUMBER	+ DECIMAL
298	11	27	.09
EXAMPLE			
247	11	22	.4545
BECAUSE THE DECIMAL IS .45, YOU SHOULD CHOOSE THE CHECK DIGIT AS 5, AS SHOWN IN THE CHECK DIGIT TABLE.			

CHECK DIGIT

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