ORIGINAL

B ~~10/10/85 pdy~~ 1/24/88 pdy

5

McKechnie
Industrial Transportation Architectural
Manufacturing Products
Lake City, (Erie), Pa. 16423 814-774-5631
Douglas McKechnie , President

SUBJECT: WMI CODE; VEHICLE IDENTIFICATION NUMBER

This standard specifies the vehicle identification number (VIN) unique to the McKechnie Corp, Lake City Pa. The assignment of all number/letter values shown are in accordance with MVSS115-1-4, 1-6, 1-7, And 1-8.

01-22-N11B-2197

CONTENTS:

1. Explaination of characters by section.
2. Example VIN number.
3. Procedure to find check digit.

(1).

1	2	3	1	2	3	4	5	6	1	2	3	4	5	6	7	8	
Sec A			Sec B						Sec C								

Explanation by Section

Section A
X X X
1 2 3
A.1 - Country of Manufacturer
A.2 - SAE Assigned to Manufacturer
A.3 - Identification

Section B
X X X X X X
1 2 3 4 5 6
B.1 Line (Semi-Trailer, Full trailer or dolly)
B.2 Body Type (Van, platform, tank, ect.)
B.3 Length
B.4 Gross Vehicle Weight
B.5 Number of Axles
B.6 Check Digit

Section C
X X X X X X X X
1 2 3 4 5 6 7 8
C.1 Model year, year manufactured
C.2 Plant of manufacture
C.3 Serial No.
thru
C.8 Serial No.

Section A

A.1) Single Number 1
A.2) Single Letter M
A.3) Single Letter 9

WMI CODE per SAE 10-14-85

Note
This will not change

Section B

B.1) Single Number

1. Semi-Trailer
2. Full Trailer
3. Dolly

Section B

B.2 Single Letter

A - Van, Dry Freight, Aluminum
B - Van, Open Top, Aluminum
C - Van, Drop Deck, Aluminum
D - Van, Refrigerated, Aluminum
E - Van, Dry Freight, Steel
F - Van, Open Top, Steel
G - Van, Drop Deck, Steel
J - Steel Garbage, Refuse, Spcl. Steel
K - Chassis, Miscellaneous
L - Container Chassis
M - Platform, Straight Deck
N - Platform, Drop Deck
P - Platform, Self Loading
Q - Logging & Pulpwood will submitt this under miscellaneous code. 1/24/86 rdz per Mr. Nulph.
R - Van FRP (Fiberglass Reinforced Plywood)
S - Lowbed, Heavy Hauler
T - Dollies - Converter & Jeep
V - Dolly, Trailing
Z - Miscellaneous

B.3 Length of Trailer

Lenght shall be designated by (1) one letter the value of which shall constitute the length of the trailer or dolly to the nearest whole foot. Wherever a fraction of a foot equals or exceeds six inches (6"), the next highest letter shall be used.

Length where:

A - Under 27'	H - 33'	R - 40'
B - 27'	J - 34'	S - 41'
C - 28'	K - 35'	T - 42'
D - 29'	L - 36'	U - 43'
E - 30'	M - 37'	V - 44'
F - 31'	N - 38'	W - 45'
G - 32'	P - 39'	X - Over 45'

B.4 Single letter
Gross Vehicle Weight Rating

TRAILER GROSS VEHICLE WEIGHT RATING

A = Not greater than 3,000 pounds
B = 3,001 - 4,000 pounds
C = 4,001 - 5,000 pounds
D = 5,001 - 6,000 pounds
E = 6,001 - 7,000 pounds
F = 7,001 - 8,000 pounds
G = 8,001 - 9,000 pounds
H = 9,001 - 10,000 pounds
J = 10,001- 14,000 pounds
K = 14,001- 16,000 pounds
L = 16,001- 19,500 pounds
M = 19,501- 26,000 pounds
N = 26,001- 33,000 pounds
P = 33,001 pounds and over

B.5 Single Number
Number of axles shall be designed by one (1) number, beginning with one (1) and running through six (6).

TRAILER AXLE CONFIGURATION

1 = Single Axle - Single Tires
2 = Tandem Axle - Single Tires
3 = Triple Axle - Single Tires
4 = Single Axle - Dual Tires
5 = Tandem Axle - Dual Tires
6 = Triple Axle - Dual Tires

B.6 Single Number
Check digit as calculated per S5.2.1 (See Appendix)

Section C
C.1 Single Letter
Vehicle model year shall be represented by a single letter

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

C.2 Single Number
1 - Lake City, Pa. Plant (the only plant we have at this time)

As other plants are built they shall be represented by single numbers from 2 through 9.

C.3 - C.8 Six (6) Numbers
Sequentially assigned numbers indicating the production process beginning with the first unit completed after 1 October 1985. The first number assigned will be 00100. If all spaces are not used to the left of the significant numbers these places shall each be stamped with a "0".

(2). EXAMPLE: VIN NUMBER

5, Same as page 5. 12/16/85 pdg

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	M	9	1	R	R	P	5	7	G	1	0	0	0	1	5	6

1. Made in U.S.A.
2. - 3. McKechnie Fabricating
4. Semi Trailer
5. Van
6. 40' Length
7. Gross Weight
8. Number Axles
9. Check Digit
10. 1986 Model
11. Lake City Plant #1
12. - 17. 6 - Digit No. defining Production Sequence

Example Trailer (Does Not Exist)

Semi Trailer, 40' x 8' wide, FRP Van, Dual Axles (Dual Tires), Gross Weight Cap. 33,001 LBS. Built, McKechnie Fabricating, Lake City, Pa. in 1986 - Serial No. 000156.

(3). PROCEDURE TO FIND CHECK DIGIT

1. Develop the "VIN" using the VIN guide.
2. Enter the number onto the worksheet.
3. Assign numerical values.
4. Multiply each value by the position multiplier.
5. Sum products.
6. Divide by 11.
7. Numerical remainder is check digit.
8. Rewrite full VIN with check digit.

Numerical Value

Assign each number in the VIN its actual mathematical value and assign to each letter specified below:

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	

Check digit should be a 5 per Lawrence Nalph. Please hand correct. 12/16/85 pdg

Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VIN No.	1	M	9	1	R	R	P	5	1	G	1	0	0	0	1	5	6
Numerical Value	1	4	9	1	9	9	7	5	0	7	1	0	0	0	1	5	6
Multiplier	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
Products	8	28	54	1	36	27	14	50	0	63	8	0	0	0	4	15	12

5 4

Sum Products = 320

Divide by 11 = 29 1/11

Remainder is the'check digit (position '9') 1

5