JAT 5-16-90

B 7/25/90 p 8,9

Registration authority for ISO 3780

The Society of Automotive Engineers has been appointed by ISO to act as registration authority for the implementation of International Standard ISO 3780.

SAE The Engineering Society For Advancing Mobility Land Sea Air and Space®

400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096-0001 U.S.A.
(412) 776-4841 FAX NO. (412) 776-5760

CABLE ADDRESS: SOCAUTOENG. PA
TELEX NO. 866-355

March 9, 1990

01-22-N11B-3684

RECEIVED NHTSA DOCKET 90 JUL 25 P3:23

2 pg

ORIGINAL

Ms. Darlene Wood
Randi and Assoc. Corp.
DBA Trans Spec
P.O. Box 100
Columbiana, OH 44408

Dear Ms. Wood:

This letter confirms our telephone conversation of March 2, 1990 regarding the assignment of a World Manufacturer (Maker) Identifier (WMI) Code. As the agent of the NHTSA for the assignment of manufacturer identifiers pursuant to CFR 49 Part 565.5C Vehicle Identification Number (VIN), we hereby confirm the following code:

Randi and Assoc. Corp.
DBA Trans Spec
P.O. Box 100
Columbiana, OH 44408
United States

1 R 9 with the 3rd, 4th, and 5th characters of the Vehicle Indicator Section to be 1 6 5

Trailers

Sincerely,

Betty Lou Schattauer

Betty Lou Schattauer
WMI Coordinator

/bls

Enclosure

cc: A. Burgett
B. P. Hickey

attached is first serial # issued under our new name.

CHECK DIGIT CALCULATIONS

CHECK DIGIT

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
ACTUAL VIN	1	R	9	P	S	4	5	2	6	L	C	1	6	5	0	0	9	
CONVERTED VALUES. from TABLE A (below)	1	9	9	7	2	4	5	2		3	3	1	6	5	0	0	9	
MULTIPLIER (X)	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2	
PRODUCT (Value x multiplier)	8	63	54	35	8	12	10	20	0	27	24	7	36	25	0	0	18	= 347 SUM OF PRODUCTS

347 (SUM OF PRODUCTS) / DIVIDED BY 11 = WHOLE NUMBER 31 . DECIMAL 54 ⟺

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.

EXAMPLE:

ABC Trailers, Inc. builds a flat bed standard series trailer with a 16 foot bed length on two axles at a plant in Cleveland, Ohio. What is the VIN coding for this trailer?

Since ABC manufactures less than 500 units per year, SAE assigned ABC a six digit number as follows: 1A9/347. (1A9 goes in columns 1-3 and 347 goes in columns 12-14). ABC has elected to code body type in column 4, series in column 5, length in columns 6 and 7 and number of axles in column 8. (The characters utilized and their placement are determined by the manufacturer, but must include all required attributes for vehicle type). ABC's coding for vehicle attributes are: Type—F = flatbed, U = utility; Series/body type—S = standard, P – special; Length—actual overall bed length in feet (08, 12, 16, etc.) and number of axles—1 = single, 2 = tandem, etc. The letter F designates the 1985 model year and ABC uses the letter C for the location of their only plant, in Cleveland.

CHECK DIGIT

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
ACTUAL VIN	1	A	9	F	S	1	6	2	5	F	C	3	4	7	0	0	1	
CONVERTED VALUES. from TABLE A	1	1	9	6	2	1	6	2	0	6	3	3	4	7	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	7	54	30	8	3	12	20	0	54	24	21	24	35	0	0	2	= 302 SUM OF PRODUCTS

302 (SUM OF PRODUCTS) / DIVIDED BY 11 = WHOLE NUMBER 27 . DECIMAL 45

Since the check digit calculation for ABC Trailers resulted in a decimal value of .45, Table B shows that the check digit is 5. The value 5, placed in position 9 of the actual VIN, completes the 17 digit VIN requirements.