Rinoi

B 6/13/88 pbs

01-22-N11B-2999

Harris Trailers
Route 3, Box 12
Columbus, Mississippi 39701
601-328-8923

ORIGINAL

5pgs

March 28, 1988

Dear Sir,

Enclosed are two sets of Vehicle Identification Numbers I am submitting for approval.

The Vehicle Identification Numbers are for a 10 feet trailer and a 12 feet trailer we will be manufacturing. I have also enclosed a Check Digit Calculation sheet for each Vechile Identification Number I have submitted.

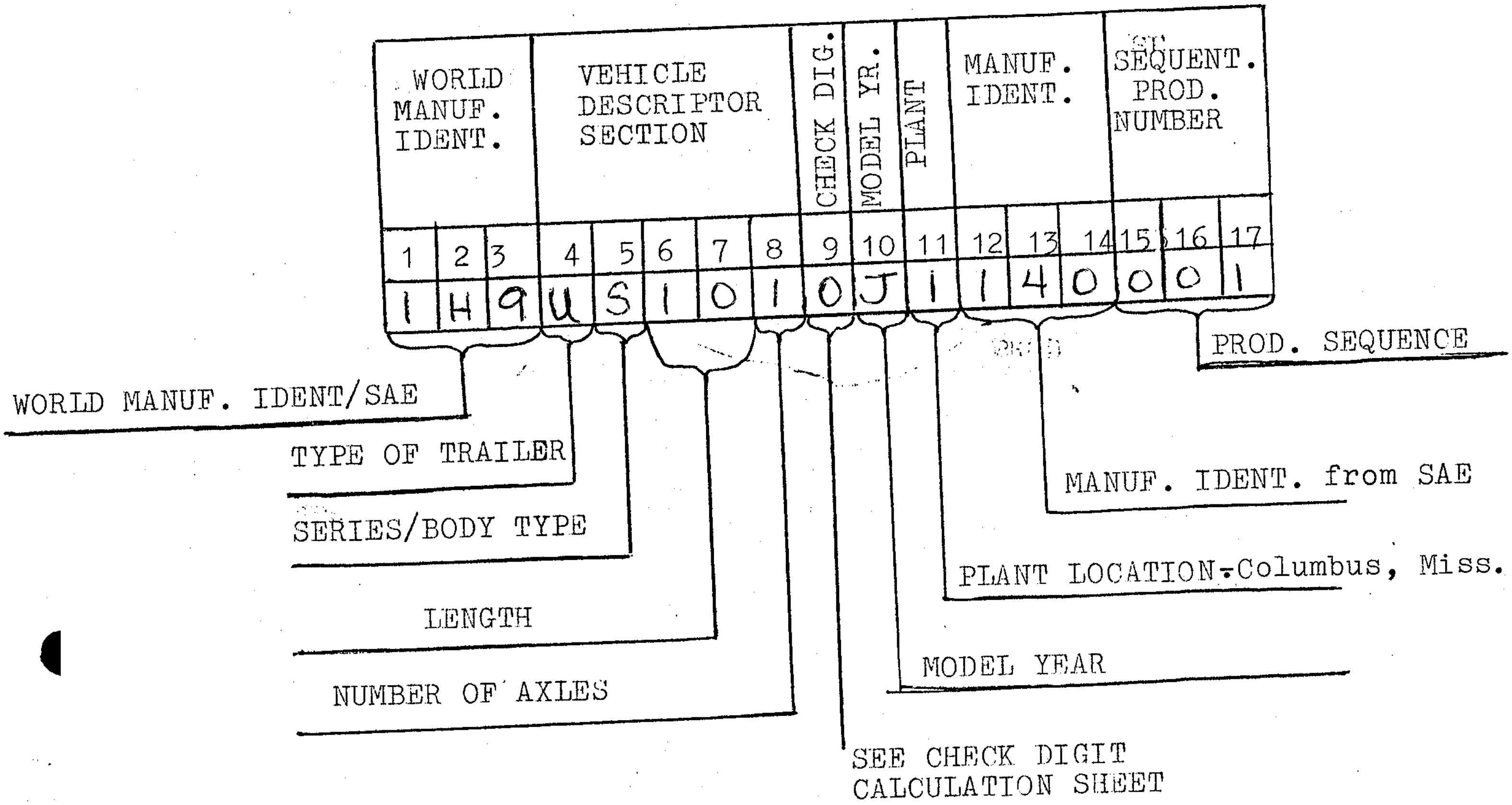
Thank You,

Earl N Harris

Earl N. Harris, Owner

VEHICLE IDENTIFICATION NUMBER

VEHICLE TYPE: TRAILER



WORLD MANUF. IDENT.			VEHICLE DESCRIPTOR SECTION					CHECK DIG.	MODEL YR.	PLANT	MANUF. IDENT.			SEQUENT. PROD. NUMBER		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	H	9	U	S	1	0	1	0	J	1	1	4	0	0	0	1

CHECK DIGIT CALCULATIONS

CHECK DIGIT (character 9)

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ACTUAL **VIN**	1	H	9	U	S	1	0	1	0	J	1	1	4	0	0	0	1
CONVERTED VALUES. from TABLE A (below)	1	8	9	4	2	1	0	1	0	1	1	1	4	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	56	54	20	8	3	0	10	0	9	8	7	24	0	0	0	2

= 209 SUM OF PRODUCTS

209 SUM OF PRODUCTS / DIVIDED BY 11 = WHOLE NUMBER 19 . DECIMAL 00 ⟺

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

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

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 9)

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

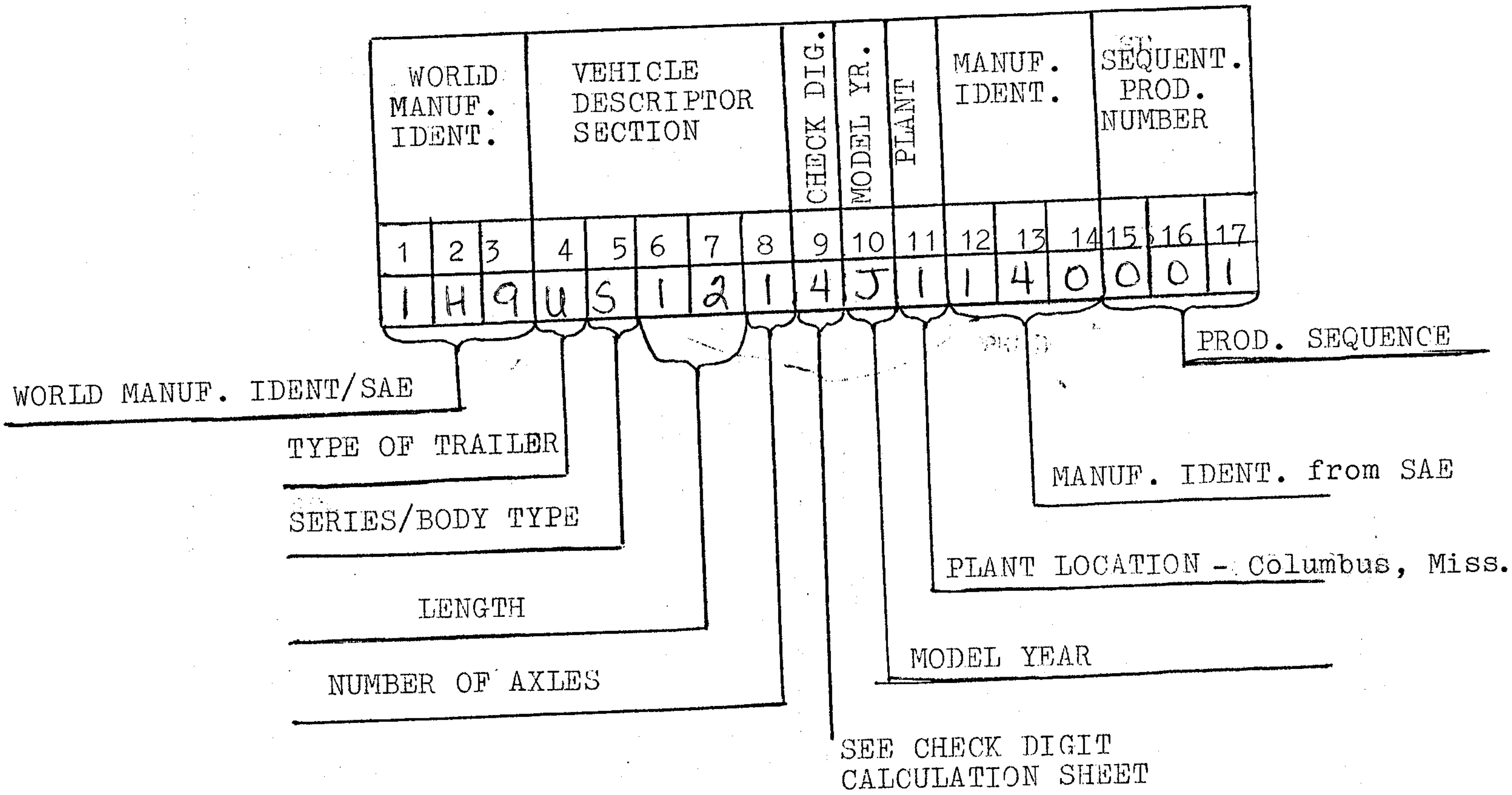
= 302 SUM OF PRODUCTS

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.

VEHICLE IDENTIFICATION NUMBER

VEHICLE TYPE: TRAILER



WORLD MANUF. IDENT.			VEHICLE DESCRIPTOR SECTION					CHECK DIG.	MODEL YR.	PLANT	MANUF. IDENT.			SEQUENT. PROD. NUMBER		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	H	9	U	S	1	2	1	4	J	1	1	4	0	0	0	1

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	H	9	U	S	1	2	1	4	J	1	1	4	0	0	0	1	
CONVERTED VALUES from TABLE A (below)	1	8	9	4	2	1	2	1	0	1	1	1	4	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	56	54	20	8	3	4	10	0	9	8	7	24	0	0	0	2	= 213 SUM OF PRODUCTS

213 SUM OF PRODUCTS DIVIDED BY 11 = WHOLE NUMBER 19 . DECIMAL 36 ⟺

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	

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TABLE B

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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.