CHECK DIGIT CALCULATIONS

CHECK DIGIT

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
CHARACTER ACTUAL VIN	1	N	9	8	U	7	12	2	7	7	J	2	7	4	0	0	1	
CONVERTED VALUES From TABLE A (below)	1	5	9	2	4	7	12	2	0	7	1	2	7	4	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	35	54	10	16	21	24	20	0	63	8	14	42	20	0	0	2	337 Sum Of PRODUCTS

337 SUM OF PRODUCTS / DIVIDED BY 11 = WHOLE NUMBER 30 . DECIMAL .63

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.

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

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 placements 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 at their only plant in Cleveland.

CHECK DIGIT

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
CHARACTER ACTUAL VIN	1	A	9	F	S	1	6	2	5	F	C	3	4	7	0	0	1	
CONVERTED 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.

566 Form for Norris Truck & Trailer Accessories, Inc

NORRIS TRUCK & TRAILER ACCESSORIES, INC
1138 MAIN ST, SUITE A
JACKSBORO, TN 37757
(423) 563-5300
FAX: (423) 563-0102

OWNER OF COMPANY:	ROBERT S. WILLIAMS DEREK CIMALA RANDALL CLARK
CITY OF INCORPORATION:	JACKSBORO, TN
PRODUCT MANUFACTURED:	UTILITY TRAILERS
GVWR:	2500 LBS TO 6000 LBS

SIGNED: _____ DATE 11/15/06
Robert S. Williams
PRESIDENT

Norris Truck & Trailer
1138 Main Street, Suite A
Jacksboro, TN. 37757

National Highway Traffic Safety Administration
400 Seventh Street, SW, Room 5217
Washington, DC 20590

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