UNITED STATES
TITLE 49 CFR--TRANSPORTATION

CHAPTER V –

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION,

DEPARTMENT OF TRANSPORTATION

PART §565 –

VEHICLE IDENTIFICATION NUMBER (VIN) REQUIREMENTS

CANADA

C.R.C., c. 1038

MOTOR VEHICLE SAFETY
REGULATIONS

STANDARD NO. 115
VEHICLE IDENTIFICATION NUMBER (VIN)

HIGHLAND RIDGE RV, INC.
TABLES, SEVENTEEN DIGIT
VEHICLE IDENTIFICATION NUMBER (VIN) SYSTEM
RV TRAILER [STANDARD]

VIN FIRST SECTION
VEHICLE Mfg. INDENTIFCATION (WORLD Mfg. IDENTIFIER [WMI])
(VIN POSITION 1st, 2nd, 3rd CHARACTERS)

The first section shall consist of three characters that occupy positions one through three (1–3) in the VIN. As supplied and confirmed, in writing, by the WMI Coordinator of SAE International, 400 Commonwealth Drive, Warrendale, Pennsylvania, 15096. This section uniquely identifies the manufacturer.

58T
Assigned by SAE, April 08, 2014
Uniquely identifies Highland Ridge RV, Inc.

VIN SECOND SECTION
(VIN POSITION 4th, 5th, 6th, 7th, 8th CHARACTERS)
VEHICLE (TRAILER) ATRIBUTES

The second section shall consist of five characters, which occupy positions four through eight (4–8) in the VIN. The characters utilized and their placement within the section may be determined by the manufacturer, but the specified attributes must be decipherable with information supplied by the manufacturer.

Type
1ST POSITION OF THE SECOND SECTION OF THE VIN
(VIN 4TH CHARACTER)

	F	5th Wheel Trailer
T	Travel Trailer	

Series
2nd POSITION OF THE SECOND SECTION OF THE VIN
(VIN 5TH CHARACTER)

R = Sm ORFW
E = LG ORFW
S = Residential
J = Journeyer
L = Roamer
M = Mesa Ridge
X = Light

Length
3RD & 4th POSITIONS OF THE SECOND SECTION OF THE VIN

(VIN 6TH & 7th CHARACTERS)

(i.e. 3   8)

Axle Configuration
5TH POSITION OF THE SECOND SECTION OF THE VIN
(VIN 8TH CHARACTER)

1	One Axle
2	Two Axles
3	Three Axles

THIRD SECTION OF THE VIN

Check Digit
(VIN 9TH CHARACTER)

The third section shall consist of one character, which occupies position nine (9) in the VIN. This section shall be the check digit whose purpose is to provide a means for verifying the accuracy of any VIN transcription. After all other characters in the VIN have been determined by the manufacturer, the check digit shall be calculated by carrying out the mathematical computation specified.

(1) Assign to each number in the VIN its actual mathematical value and assign to each letter the value specified for it in Table III, as follows:

Table III Assigned Values

A – 1	J – 1	S - 2
B - 2	K - 2	T – 3
C – 3	L – 3	U - 4
D – 4	M - 4	V – 5
E – 5	N - 5	W - 6
F – 6	O -NOT USED	X - 7
G – 7	P - 7	Y - 8
H – 8	Q -NOT USED	Z - 9
I -NOT USED	R - 9	

(2) Multiply the assigned value for each character in the VIN by the position weight factor specified in Table IV, as follows:

TABLE IV - VIN POSITION AND WEIGHT FACTOR

1st – 8	10th - 9
2nd –7	11th - 8
3rd – 6	12th - 7
4th - 5	13th - 6
5th - 4	14th - 5
6th - 3	15th - 4
7th – 2	16th - 3
8th – 10	17th - 2
9th-check digit	

(3) Add the resulting products and divide the total by 11.

(4) The check digit is based on either the Fractional Remainder or the Decimal Equivalent Remainder as reflected in Table V. All Decimal Equivalent Remainders in Table V are rounded to the nearest thousandth. The check digit, zero through nine (0–9) or the letter "X" shall appear in VIN position nine (9).

TABLE V—NINTH POSITION CHECK DIGIT VALUES
[Rounded to the nearest thousandth]

Fractional Remainder	0	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11
Decimal Equivalent Remainder	0	.091	.182	.273	364	.455	.545	.634	.727	.818	.909
Check Digit	0	1	2	3	4	5	6	7	8	9	X

A sample check digit calculation is shown in Table VI as follows:

TABLE VI—CALCULATION OF A CHECK DIGIT

VIN Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Sample VIN	5	8	T	F	E	3	8	2	_3_	F	5	0	1	6	3	7	8
Assigned Value See Table III	5	8	3	6	5	3	8	2		6	5	0	1	6	3	7	8
Weight Factor See Table IV	8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2
Multiply Assigned Value Times Weight Factor*	40	56	18	30	20	9	16	20		54	40	0	6	30	12	21	16

*Add Products 40 + 56 + 18 + 30 + 20 + 9 + 16 + 20 + 54 + 40 + 0 + 6 + 30 + 12 + 21+ 16 = 388

Divide by 11: 388/11 = 35 3/11 or 35.2727

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All decimal equivalent remainders in Table V are rounded to the nearest thousandth (i.e., the 3rd digit to the right of the decimal point). If the 4th digit to the right of the decimal point is 5 or greater, round up; if 4 or less, round down.

In the example above, the total is 35.272$\underline{7}$ the 4th digit to the right of the decimal point is 7, so round to 35.27$\underline{3}$. Table V shows the decimal equivalent remainder ".273" equates to check digit "3" that is to be inserted in position nine (9) of the VIN for this sample check digit calculation.

VIN FOURTH SECTION
(VIN 10th, 11th, 12th, 13th 14th, 15th, 16th, 17th POSITION CHARACTERS)

The fourth section shall consist of eight characters, which occupy positions ten through seventeen (10–17) of the VIN.

1ST POSITION OF THE FOURTH SECTION OF THE VIN
(VIN 10TH CHARACTER)

(1) The first character of the fourth section shall represent the vehicle model year. The year shall be designated as indicated in Table VII as follows:

TABLE VII—YEAR CODES FOR VIN

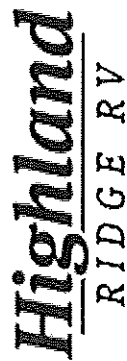|					
1980...A	1990...L	2000...Y	2010...A	2020...L	2030...Y
1981...B	1991...M	2001...1	2011...B	2021...M	2031...1
1982...C	1992...N	2002...2	2012...C	2022...N	2032...2
1983...D	1993...P	2003...3	2013...D	2023...P	2033...3
1984...E	1994...R	2004...4	2014...E	2024...R	2034...4
1985...F	1995...S	2005...5	**2015...F**	2025...S	2035...5
1986...G	1996...T	2006...6	2016...G	2026...T	2036...6
1987...H	1997...V	2007...7	2017...H	2027...V	2037...7
1988...J	1998...W	2008...8	2018...J	2028...W	2038...8
1989...K	1999...X	2009...9	2019...K	2029...X	2039...9

2nd POSITION OF THE FOURTH SECTION OF THE VIN
(VIN 11TH CHARACTER)

(1) The second character of the fourth section shall represent the plant of manufacture.

Location of Mfg. Highland Ridge RV, Inc.

2 – 955 N Van Buren
    Shipshewana, IN 46565

5 – 3195 N SR 5
    Shipshewana, IN 46565

VEHICLE IDENTIFICATION NUMBER SYSTEM

DECIPHER PLACEMENT OF VIN INFORMATION — 2010 - 2039

Type face to be capital sanSerif characters. NOTE: THE LETTERS I – O & Q ARE NOT TO BE USED IN ANY VIN.

NHTSA FINAL RULE 49 CFR PART 565 @ 1ST 2010 VIN ON OR AFTER OCTOBER 28, 2008 W/ 'A' or 'B' @ POSITION 10 AND ALL VEHICLES ON OR AFTER MAY 01, 2009.

VIN Section	1st Section (1-3)			2nd Section (4-8)					3rd Section	4th Section (10 – 17)							
Section Title	World Mfg. I.D. (WMI)			Vehicle (Trailer) Attribute Descriptor — Body Type, Series/Make, Length, Axle Configuration					Check Digit	Production Assignment Attributes							
										Model Year	Plant I.D.	Series Model		Production Sequential Number			
VIN Section Position	1st	2nd	3rd	1st	2nd	3rd	4th	5th	1 - Character	1st	2nd	3rd	4th	5th	6th	7th	8th
VIN Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VIN	5	8	T	F	E	3	8	2	"0 – 9" OR "X"	F	5	0	1	6	3	7	8
Type (Character) A = Alphabetic, N = Numerical, B = Alphabetic or Numerical	B	B	B	B	B	B	B	B	B	B	B	B	B	N	N	N	N

Fixed Values & Position

Type	Series/Make	O/A	Length	# Axles	Model Year	Plant Location Where VIN Affixed	Sequential Number
F = FW T = TT	R = Sm ORFW E = LG ORFW S = Residential J = Journeyer L = Roamer M = Mesa Ridge X = Light	3	8 Ft	1 = Single (1) 2 = Tandem (2) 3 = Tipple (3)	F = 2015	2 = 955 N Van Buren St. Shipshewana, IN 46565 5 = 3195 N SR 5 Shipshewana, IN 46565	Production — Order of Produced Number Vehicles

Assigned by SAE International

By Mathematical Computation — Refer to Title 49 CFR §565.6(c)(1) for Formula