(c) A check digit shall be part of each VIN. The check digit shall appear in position nine (9) of the VIN, on the vehicle and on any transfer documents containing the VIN prepared by the manufacturer to be given to the first owner for purposes other than resale.

(d) The VINs of any two vehicles subject to the Federal motor vehicle safety standards and manufactured within a 60-year period beginning with the 1980 model year shall not be identical.

(e) The VIN of each vehicle shall appear clearly and indelibly upon either a part of the vehicle, other than the glazing, that is not designed to be removed except for repair or upon a separate plate or label that is permanently affixed to such a part.

(f) The VIN for passenger cars, multipurpose passenger vehicles, low speed vehicles, and trucks of 4536 kg or less GVWR shall be located inside the passenger compartment. It shall be readable, without moving any part of the vehicle, through the vehicle glazing under daylight lighting conditions by an observer having 20/20 vision (Snellen) whose eye-point is located outside the vehicle adjacent to the left windshield pillar. Each character in the VIN subject to this paragraph shall have a minimum height of 4 mm.

(g) Each character in each VIN shall be one of the letters in the set: [ABCDEFGHJKLMNPRSTUVWXYZ] or a numeral in the set: [0123456789] assigned according to the method given in § 565.15.

(h) All spaces provided for in the VIN must be occupied by a character specified in paragraph (g) of this section.

(i) The type face utilized for each VIN shall consist of capital, sanserif characters.

[73 FR 23379, Apr. 30, 2008, as amended at 74 FR 67977, Dec. 22, 2009]

§ 565.14 Motor vehicles imported into the United States.

(a) Importers shall utilize the VIN assigned by the original manufacturer of the motor vehicle.

(b) All passenger cars, multipurpose passenger vehicles, low speed vehicles and trucks of 4536 kg or less GVWR certified by a Registered Importer under 49 CFR part 592 whose VINs do not comply with part 565.13 and 565.14 shall have a plate or label that contains the following statement, in characters that have a minimum height of 4 mm and the identification number assigned by the vehicle's original manufacturer inserted in the blank: SUBSTITUTE FOR U.S. VIN: _____ SEE 49 CFR PART 565. The plate or label shall conform to § 565.13 (h) and (i). The plate or label shall be permanently affixed inside the passenger compartment. The plate or label shall be readable, without moving any part of the vehicle, through the vehicle glazing under daylight conditions by an observer having 20/20 vision (Snellen) whose eye-point is located outside the vehicle adjacent to the left windshield pillar. It shall be located in such a manner as not to cover, obscure, or overlay any part of any identification number affixed by the original manufacturer. Motor vehicles conforming to Canada Motor Vehicle Safety Standard 115 are exempt from this paragraph.

§ 565.15 Content requirements.

(a) The first section shall consist of three characters that occupy positions one through three (1–3) in the VIN. This section shall uniquely identify the manufacturer and type of the motor vehicle if the manufacturer is a high-volume manufacturer. If the manufacturer is a low-volume manufacturer, positions one through three (1–3) along with positions twelve through fourteen (12–14) in the VIN shall uniquely identify the manufacturer and type of the motor vehicle. These characters are assigned in accordance with § 565.16(a). A ''9'' shall be placed in the third position of the VIN if the manufacturer identifier is six characters. A ''9'' in the third position always indicates the presence of a six-character manufacturer identifier. The National Highway Traffic Safety Administration offers access to manufacturer identifier assignments via its search engine at the following Internet Web site: *http://www.nhtsa.dot.gov/cars/rules/manufacture*.

(b) The second section shall consist of five characters, which occupy positions four through eight (4–8) in the VIN. This section shall uniquely identify the attributes of the vehicle as specified in Table I. For passenger cars,

and for multipurpose passenger vehicles and trucks with a gross vehicle weight rating of 4536 kg (10,000 lb) or less, the fourth character (position 7) of this section shall be alphabetic. 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 in accordance with §565.16(c). In submitting the required information to NHTSA relating gross vehicle weight rating, the designations in Table II shall be used. The use of these designations within the VIN itself is not required. Tables I and II follow:

TABLE I—TYPE OF VEHICLE AND INFORMATION DECIPHERABLE

Passenger car: Make, line, series, body type, engine type, and all restraint devices and their location.

Multipurpose passenger vehicle: Make, line, series, body type, engine type, gross vehicle weight rating, and for multipurpose passenger vehicles with a gross vehicle weight rating (GVWR) of 4536kg (10,000 lb) or less all restraint devices and their location.

Truck: Make, model or line, series, chassis, cab type, engine type, brake system, gross vehicle weight rating, and for trucks with a gross vehicle weight rating (GVWR) of 4536 kg (10,000 lb) or less all restraint devices and their location.

Bus: Make, model or line, series, body type, engine type, and brake system.

Trailer, including trailer kits and incomplete trailer: Make, type of trailer, body type, length and axle configuration.

Motorcycle: Make, type of motorcycle, line, engine type, and net brake horsepower.

Incomplete vehicle other than a trailer: Make, model or line, series, cab type, engine type, and brake system.

Low speed vehicle: Make, engine type, brake system, restraint system type, body type, and gross vehicle weight rating.

Note to Table I: Engine net brake horsepower when encoded in the VIN shall differ by no more than 10 percent from the actual net brake horsepower; shall in the case of motorcycle with an actual net brake horsepower of 2 or less, be not more than 2; and shall be greater than 2 in the case of a motorcycle with an actual brake horsepower greater than 2.

TABLE II—GROSS VEHICLE WEIGHT RATING CLASSES

Class A—Not greater than 1360 kg. (3,000 lbs.)
Class B—Greater than 1360 kg. to 1814 kg. (3,001–4,000 lbs.)
Class C—Greater than 1814 kg. to 2268 kg. (4,001–5,000 lbs.)
Class D—Greater than 2268 kg. to 2722 kg. (5,001–6,000 lbs.)
Class E—Greater than 2722 kg. to 3175 kg. (6,001–7,000 lbs.)
Class F—Greater than 3175 kg. to 3629 kg. (7,001–8,000 lbs.)
Class G—Greater than 3629 kg. to 4082 kg. (8,001–9,000 lbs.)
Class H—Greater than 4082 kg. to 4536 kg. (9,001–10,000 lbs.)
Class 3—Greater than 4536 kg. to 6350 kg. (10,001–14,000 lbs.)
Class 4—Greater than 6350 kg. to 7257 kg. (14,001–16,000 lbs.)
Class 5—Greater than 7257 kg. to 8845 kg. (16,001–19,500 lbs.)
Class 6—Greater than 8845 kg. to 11793 kg. (19,501–26,000 lbs.)
Class 7—Greater than 11793 kg. to 14968 kg.(26,001–33,000 lbs.)
Class 8—Greater than 14968 kg. (33,001 lbs. and over)

(c) 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 VIN have been determined by the manufacturer, the check digit shall be calculated by carrying out the mathematical computation specified in paragraphs (c) (1) through (4) of this section.

(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
B = 2
C = 3
D = 4
E = 5
F = 6
G = 7
H = 8

TABLE III—ASSIGNED VALUES—Continued

J = 1
K = 2
L = 3
M = 4
N = 5
P = 7
R = 9
S = 2
T = 3
U = 4
V = 5
W = 6
X = 7
Y = 8
Z = 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
2d	7
3d	6
4th	5

TABLE IV—VIN POSITION AND WEIGHT FACTOR—Continued

5th	4
6th	3
7th	2
8th	10
9th	(check digit)
10th	9
11th	8
12th	7
13th	6
14th	5
15th	4
16th	3
17th	2

(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	0.091	0.182	0.273	0.364	0.455	0.545	0.634	0.727	0.818	0.909
Check Digit	0	1	2	3	4	5	6	7	8	9	X

(5) 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	1	G	4	A	H	5	9	H	.....	5	G	1	1	8	3	4	1
Assigned Value	1	7	4	1	8	5	9	8	.....	5	7	1	1	8	3	4	1
Weight Factor	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
Multiply Assigned value times weight factor	8	49	24	5	32	15	18	80	0	45	56	7	6	40	12	12	2

Add products: 8+49+24+5+32+15+18+80+0+45+56+7+6+40+12+12+2 = 411.
Divide by 11: 411/11 = 37 4/11 or 37.3636.
If the fourth digit is 5 or greater, round up. If the fourth digit is 4 or smaller, round down.
In the example above, the remainder is 4/11 or 0.364 when rounded up.
Looking up the remainder in Table V—Ninth Position Check Digit Values indicates that ''4'' is the check digit to be inserted in position nine (9) of the VIN for this sample digit calculation.

(d) The fourth section shall consist of eight characters, which occupy positions ten through seventeen (10–17) of the VIN. The last five (5) characters of this section shall be numeric for passenger cars and for multipurpose passenger vehicles and trucks with a gross vehicle weight rating of 4536 kg. (10,000 lbs.) or less, and the last four (4) characters shall be numeric for all other vehicles.

(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

Year	Code
2005	5
2006	6
2007	7
2008	8
2009	9
2010	A
2011	B
2012	C
2013	D
2014	E
2015	F
2016	G
2017	H
2018	J
2019	K
2020	L
2021	M
2022	N
2023	P
2024	R
2025	S
2026	T
2027	V
2028	W
2029	X
2030	Y
2031	1
2032	2
2033	3
2034	4
2035	5
2036	6
2037	7
2038	8
2039	9

Note to Table VII: For passenger cars, and for multipurpose passenger vehicles and trucks with a gross vehicle weight rating of 4536 kg (10,000 lb) or less, if position 7 is numeric, the Model Year in position 10 of the VIN refers to a year in the range 1980–2009. If position 7 is alphabetic, the Model Year in Position 10 of the VIN refers to a year in the range 2010–2039.

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

(3) The third through the eighth characters of the fourth section (positions 12 through 17) shall represent the number sequentially assigned by the manufacturer in the production process if the manufacturer is a high-volume manufacturer. If a manufacturer is a low-volume manufacturer, the third, fourth, and fifth characters of the fourth section (positions 12, 13, and 14), combined with the three characters of the first section (positions 1, 2, and 3), shall uniquely identify the manufacturer and type of the motor vehicle and the sixth, seventh, and eighth characters of the fourth section (positions 15, 16, and 17) shall represent the number sequentially assigned by the manufacturer in the production process.

§ 565.16 Reporting requirements.

The information collection requirements contained in this part have been approved by the Office of Management and Budget under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 *et seq*) and have been assigned OMB Control Number 2127–0510.

(a) The National Highway Traffic Safety Administration (NHTSA) has contracted with the SAE International to coordinate the assignment of manufacturer identifiers to manufacturers in the United States. Manufacturer identifiers will be supplied by SAE at no charge. All requests for assignments of manufacturer identifiers should be forwarded directly to: SAE International, 400 Commonwealth Drive, Warrendale, Pennsylvania, 15096, Attention: WMI Coordinator (telephone: 724–776–4841). Any requests for identifiers submitted to NHTSA will be forwarded to SAE. Manufacturers may request a specific identifier or may request only assignment of an identifier(s). SAE will review requests for specific identifiers to determine that they do not conflict with an identifier already assigned or block of identifiers already reserved. SAE will confirm the assignments in writing to the requester. Once confirmed by SAE, the identifier need not be resubmitted to NHTSA.

(b) Manufacturers of vehicles subject to this part shall submit, either directly or through an agent, the unique identifier for each make and type of vehicle it manufactures at least 60 days before affixing the first VIN using the identifier. Manufacturers whose unique identifier appears in the fourth section of the VIN shall also submit the three characters of the first section that constitutes a part of their identifier.

(c) Manufacturers of vehicles subject to the requirements of this part shall submit to NHTSA the information necessary to decipher the characters contained in its VINs. Amendments to this information shall be submitted to the agency for VINs containing an amended coding. The agency will not routinely provide written approvals of these submissions, but will contact the manufacturer should any corrections to these submissions be necessary.