

## U414 – Vehicle Identification Number – VIN

Premium

|  |        |
|--|--------|
| <b>Vehicle Identification Number – VIN</b> is in error due to: |        |
| • Value/Format:  | U414V  |
| • Conditions:  | U414C  |
| • VIN check digit algorithm                                    | U414Vx |

The **Vehicle Identification Number – VIN** must have one of the valid values in the tables below with the corresponding conditions, if any, on the same record.

| <b>Vehicle Identification Number – VIN (UITS)</b> |                              |                         |                    |                                   |  |
|---|------------------------------|-------------------------|--------------------|-----------------------------------|--|
| <b>Values</b>                                     | <b>Conditions</b>            |                         |                    |                                   |  |
|   | <b>Policy Effective Date</b> | <b>Type of Business</b> | <b>Type of Use</b> | <b>&lt;Attached Trailer&gt; *</b> | <b>&lt;Third Party Excess Liability Coverage&gt; *</b> |
| VIN assigned by vehicle manufacturer              | ≥ 19960701                   | 0, 1, 2, 4, 5, 8, 9     | Not = 98           | Yes                               | No   |
| Valid VIN** assigned by vehicle manufacturer      |                              |                         |                    | No                                | No   |
| Provincial assigned or exception VIN***           |                              |                         |                    |                                   | No   |
| NOT APPLICABLE                                    |                              | 3, 4, 5                 |                    |                                   |  |
|   |                              | 0,1, 2, 8, 9            | 98                 |                                   |  |
|   |                              |                         |                    | Yes                               |  |
|   |                              |                         |                    | Yes                               |  |

\* refer to Appendix A – Edit tags for determination of **<Attached Trailer>** and **<Third Party Excess Liability Coverage>**.

**Note:** The default value of blank must be used in this field, for Conditions other than those specified in the table above.

| <b>Vehicle Identification Number – VIN (UITS)</b>                                |                              |                         |   |   |   |
|--|------------------------------|-------------------------|---|---|---|
| <b>Values</b>  | <b>Conditions</b>            |                         |   |   |   |
|  | <b>Policy Effective Date</b> | <b>Type of Business</b> | <b>&lt;Third Party Excess Liability Coverage&gt;*</b> | <b>Type of Use</b>                                  | <b>Vehicle Model Year</b>   |
| Less than 17 characters VIN other than Provincial assigned and exceptions VIN*** | ≥ 19960701                   | 0,1,2,4,5,8,9           | No  | 01-03, 05-13, 18, 19                                | < 1981  |
|  |                              |                         |   | 21-24, 26, 50                                       | Model Year is earlier than the start year for the particular manufacturer |
|  |                              |                         |   | Other than (01-03, 05-13, 18, 19, 21-24, 26,50, 98) | N/A   |

\* refer to Appendix A – Edit tags for determination of <Attached Trailer> and <Third Party Excess Liability Coverage>.

**Note:** If VIN fails the check digit algorithm, errors are assigned as follows:

- U414V for:
  - Ontario Private Passenger vehicles with Policy Effective Date ≥20020301 and for Private Passenger vehicles in other jurisdictions with Policy Effective Date ≥ 20090101.
  - Motorcycles, ATVs and Snowvehicles in all jurisdictions with Policy Effective Date ≥ 20100101
- U414Vx for:
  - Ontario Private Passenger vehicles with Policy Effective Date < 20020301,
  - Private Passenger vehicles for other jurisdictions than Ontario with Policy Effective Date < 20090101
  - Motorcycles, ATV and Snowmobile Vehicles in all jurisdictions with Policy Effective dates < 20100101.
- U414Vx for other conditions than above

**\*\* VIN Check Digit algorithm (position 9)**

The following example illustrate the check digit procedure:

| POSITION      | 1 | 2 | 3      | 4      | 5 | 6      | 7      | 8      | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---------------|---|---|--------|--------|---|--------|--------|--------|----|----|----|----|----|----|----|----|----|
| VIN           | 1 | J | 4      | F      | J | 6      | 8      | S      | 8  | S  | L  | 6  | 0  | 8  | 4  | 2  | 5  |
| NUMERIC VALUE | 1 | 1 | 4      | 6      | 1 | 6      | 8      | 2      | -- | 2  | 3  | 6  | 0  | 8  | 4  | 2  | 5  |
| WEIGHT FACTOR | 8 | 7 | 6      | 5      | 4 | 3      | 2      | 1<br>0 | 0  | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  |
| PRODUCTS      | 8 | 7 | 2<br>4 | 3<br>0 | 4 | 1<br>8 | 1<br>6 | 2<br>0 | 0  | 18 | 24 | 42 | 0  | 40 | 16 | 6  | 10 |

a) assign to each VIN letter, the following numeric value:

|     |   |     |   |     |   |
|-----|---|-----|---|-----|---|
| A = | 1 | J = | 1 | T = | 3 |
| B = | 2 | K = | 2 | U = | 4 |
| C = | 3 | L = | 3 | V = | 5 |
| D = | 4 | M = | 4 | W = | 6 |
| E = | 5 | N = | 5 | X = | 7 |
| F = | 6 | P = | 7 | Y = | 8 |
| G = | 7 | R = | 9 | Z = | 9 |
| H = | 8 | S = | 2 |     |   |

- b) assign a weight factor to each position
- c) multiply weight by value and sum the results
- d) divide the sum by 11
- e) multiply by 11 the fractional portion from the previous step result
- f) check digit = nearest whole value

**Note:** *If the answer is 10, accept "X" as a valid value*

**\*\*\* Provincial assigned VIN**

VIN position 1 = T and 4 -14 character long, followed by spaces  
VIN positions 1-7 = MBPGSIN and 11-17 characters long  
VIN positions 1-2 = NB and 8 characters long  
VIN positions 1-3 = BCS or BCT and 13 characters long  
VIN positions 1-2 = AB and 17 characters long  
VIN positions 1-3 = KLD or KRD and 9 characters long  
VIN positions 1-3 = 2BG and 17 characters long  
VIN positions 1-4 = SK40 and 11 characters long  
VIN positions 1-3 = RBT and 17 characters long  
VIN positions 1-3 = HOM and 17 characters long  
VIN positions 1-5 = 1SAAQ and 17 characters long  
VIN positions 1-5 = 2SAAQ and 17 characters long  
VIN positions 1-5 = 3SAAQ and 17 characters long  
VIN positions 1-5 = 4SAAQ and 17 characters long  
VIN positions 1-5 = 9SAAQ and 17 characters long  
VIN positions 1-5 = JSAAQ and 17 characters long  
VIN positions 1-5 = MSAAQ and 17 characters long  
VIN positions 1-5 = TSAAQ and 17 characters long  
VIN positions 1-5 = USAAQ and 17 characters long  
VIN positions 1-5 = VSAAQ and 17 characters long  
VIN positions 1-5 = WSAAQ and 17 characters long  
VIN positions 1-5 = ZSAAQ and 17 characters long  
VIN positions 1-4 = SAAQ and 9 characters long  
VIN positions 1-3 = SUN and 17 characters long  
VIN positions 1-3 = 4CR and 3-17 characters long  
VIN positions 1-6 = CSP102 or DSP102 and 6-17 characters long  
VIN position 1 = B and positions 6-8 = EVA and 8-17 characters long  
VIN positions 1-3 = ASD and 17 characters long  
VIN positions 1-3 = WDB followed by 2 numeric and 17 characters long