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Original Equipment Manufacturer (OEM)

Description	VIN CODE INSTRUCTIONS
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Suggested Vendor	
Vendor P/N	
Ordering Unit	

TECHNICAL CHARACTERISTICS

(Position)	→	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Sample VIN:		2	N	V	Y	L	8	2	U	0	B	3	0	0	0	5	0	1
(Items)																		
1- Marker Identifier Code																		
2- Brake System																		
3- Line																		
4- Lenght of Vehicle																		
5- Width of Vehicle																		
6- Engine Code																		
7- Check Digit																		
8- Model Year																		
9- Assembly Plant																		
10- Sequence Number																		

Notes: Reference: CMVSS 115 and 49 CFR 565

Second Vendor		Third Vendor	
Second Vendor P/N		Third Vendor P/N	
Finished parts to be identified as per Engineering Instruction EI97-016.			
PARTS MUST BE FREE FROM LISTED PROHIBITED CHEMICAL SUBSTANCES STD 100-0002, STD 100-0003 & STD 100-0005.			
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Written by	Date	Revised by	Date
B RENAUD	1993-03-23	M SANTERRE	2021-09-13
Approved by	Date	Approved by	Date
D PICARD	1993-03-23	R CHOUINARD	2021-09-13
Checked by	Date	Checked by	Date
		H NAULT	2021-09-04

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TECHNICAL CHARACTERISTICS

VIN (Vehicle Identification Number)

The VIN code has 17 digits and the break down of these digits covers 10 items.

VIN - Code & Circulation

1- Marker Identification Code (Position 1, 2 , 3)

2NV	=	Nova Bus Inc.
4RK	=	Nova Bus (US) Inc.



2 - Brake System (Position 4)

Y	=	Air
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3 - Line (Position 5)

T	=	Classic	OBSOLETE
R	=	Classic Articulated	
L	=	LFS	
S	=	LFS Artic	

4 - Lenght of Vehicle (Position 6) or Series

8	=	40 FT. LG.
9	=	60 FT. LG.

5 - Width of Vehicle (Position 7) or Body Type

2	=	102 in Wide
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6 - Engine Code (Position 8)

A	=	CUMMINS ISL-G	OBSOLETE
B	=	HYBRID CUMMINS ISL BAE TB-300	
J	=	DIESEL	
K	=	ALTERNATE FUEL	
L	=	HYBRID	OBSOLETE
M	=	ELECTRIC	
N	=	DETROIT DIESEL SERIES 50	
P	=	DETROIT DIESEL SERIES 40	
R	=	DETROIT DIESEL SERIES 50 PROPANE	
S	=	CUMMINS ISC	
T	=	NO POWER TRAIN	
U	=	CUMMINS ISL	
V	=	CUMMINS ISC NON TRANSIT	
W	=	HYBRID CUMMINS ISL - ALLISON EP 40	
X	=	HYBRID CUMMINS ISB - ALLISON EP 40	
Y	=	HYBRID CUMMINS ISL - ALLISON EV 50	
Z	=	HYBRID CUMMINS ISB BAE TB-200	

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TECHNICAL CHARACTERISTICS

7 - Check Digit (Position 9)

The **Check Digit** must be calculated after all the other digits are assigned

A - Assign to each number in the VIN , its mathematical value and assign to each letter the value specified in the table below.

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	P = 7	X = 7
G = 7	R = 9	Y = 8
H = 8		Z = 9

B - Multiply the assigned value for each character in the VIN by the weight factor specified in the following table.

1st - 8	7th - 2	13th - 6
2nd - 7	8th - 10	14th - 5
3rd - 6	9th - (Check Digit)	15th - 4
4th - 5	10th - 9	16th - 3
5th - 4	11th - 8	17th - 2
6th - 3	12th - 7	

C - Add the resulting products and divide the total by 11,

D - The remainder is the **Check Digit**, if the remainder is 10, the **Check Digit** is X

Example:

VIN Position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Sample VIN:	2	N	V	Y	T	8	2	J	7	P	3	0	0	0	0	0	1
Assign Value (A):	2	5	5	8	3	8	2	1	7	7	3	0	0	0	0	0	1
Multiply by weight factor (B):	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
Add Products:	16+35+30+40+12+24+ 4 +10 + 0 + 63 + 24 + 0 + 0 + 0 + 0 + 0 + 2 = 260																
	.(C): Divide by 11: 260 ÷ 11 = 23 7 / 11																
	The Check Digit = 7 (Position 9)																

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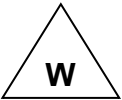
TECHNICAL CHARACTERISTICS

8- Model Year (Position 10)



From Jan 1 1981 @ Dec 31 1981, assign Year 1981 = B
From Jan 1 1982 @ Dec 31 1982, assign Year 1982 = C
and so on ...

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

9 - Assembly Plant (Position 11)

	3 = 1000 Industriel Boulevard, Saint-Eustache, QC, Canada J7R 5A5
9 = 260 Banker Road, Plattsburgh, NY, US 12901	
B = 500 Condor Street, Saint-Eustache, QC, Canada J7P 0B4	

10- Sequence Number (Position 12 @ 17)

	For 1000 Industriel Boulevard, Saint-Eustache, QC, Canada J7R 5A5
until 2011	Each year the sequence number starts at 000001 and continues in sequence with each successive bus, then starts again at 000001 for the next year.
2012 and after	The sequence number continues with the following number of year 2011. <u>Example:</u> Year 2011 Last Bus 000650 Year 2012 1st Bus 000651
2016 and after:	The sequence number starts at 750000 and continues in sequence with each successive bus to 774999. <u>Example:</u> Year 2016 Last Bus 750892 Year 2017 First Bus 750893
	260 Banker Road, Plattsburgh, NY, US 12901
until 2011	Each year the sequence number starts at 000001 and continues in sequence with each successive bus.
2012 and after	The sequence number starts at 500001 and continues in sequence with each successive bus. Digit 5 (position 12) has been added. <u>Example:</u> Year 2012 Last Bus 500225 Year 2013 1st Bus 500226
2016 and after	The sequence number starts at 775000 and continues in sequence with each successive bus to 799999. <u>Example:</u> Year 2016 Last Bus 775791 Year 2017 First Bus 775792

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CHANGE DESCRIPTION

PAGE 5 ADDED

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1- MARKER IDENTIFICATION CODE 2NV WAS Novabus, a division of Volvo Group Canada Inc.

1- MARKER IDENTIFICATION CODE 4RK WAS Novabus - LFS a division of Prevost Car (US) Inc.

3- LINE T = CLASSIC NOW OBSOLETE

3- LINE R = CLASSIC ARTICULATED NOW OBSOLETE

3- LINE L = LFS WAS L = Low Floor

3- LINE S = LFS Arctic WAS S = LFS Articulated

PAGE 4 OF 5:

9- ASSEMBLY PLANT 9 = Plattsburgh Plant WAS 4 = Plattsburgh Plant

10- SEQUENCE NUMBER FOR ST-EUSTACHE PLANT 2016 AND AFTER ADDED

10- SEQUENCE NUMBER FOR PLATTSBURGH PLANT 2016 AND AFTER ADDED

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NOTES. Complies with CMVSS 115 and 49 CFR Part 565. WAS Complies with C/FMVSS # 115 and MVSF # 565 (See 565,4 section C.)

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2NV = Nova Bus Inc. WAS Novabus, a division of Volvo Group Canada Inc.

4RK=Nova Bus (US) Inc. WAS Nova Bus, a division of Prevost Car (US) Inc.

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3 = 1000 Industriel Boulevard, Saint-Eustache, QC, Canada J7R 5A5 WAS 3 = St-Eustache Plant

9 = 260 Banker Road, Plattsburgh, NY, US 12901 WAS 9 = Plattsburgh Plant

B = 500 Condor Street, Saint-Eustache, QC, Canada J7P 0B4

For 1000 Industriel Boulevard, Saint-Eustache, QC, Canada J7R 5A5 WAS For St-Eustache Plant

For 260 Banker Road, Plattsburgh, NY, US 12901 WAS For Plattsburgh Plant

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