

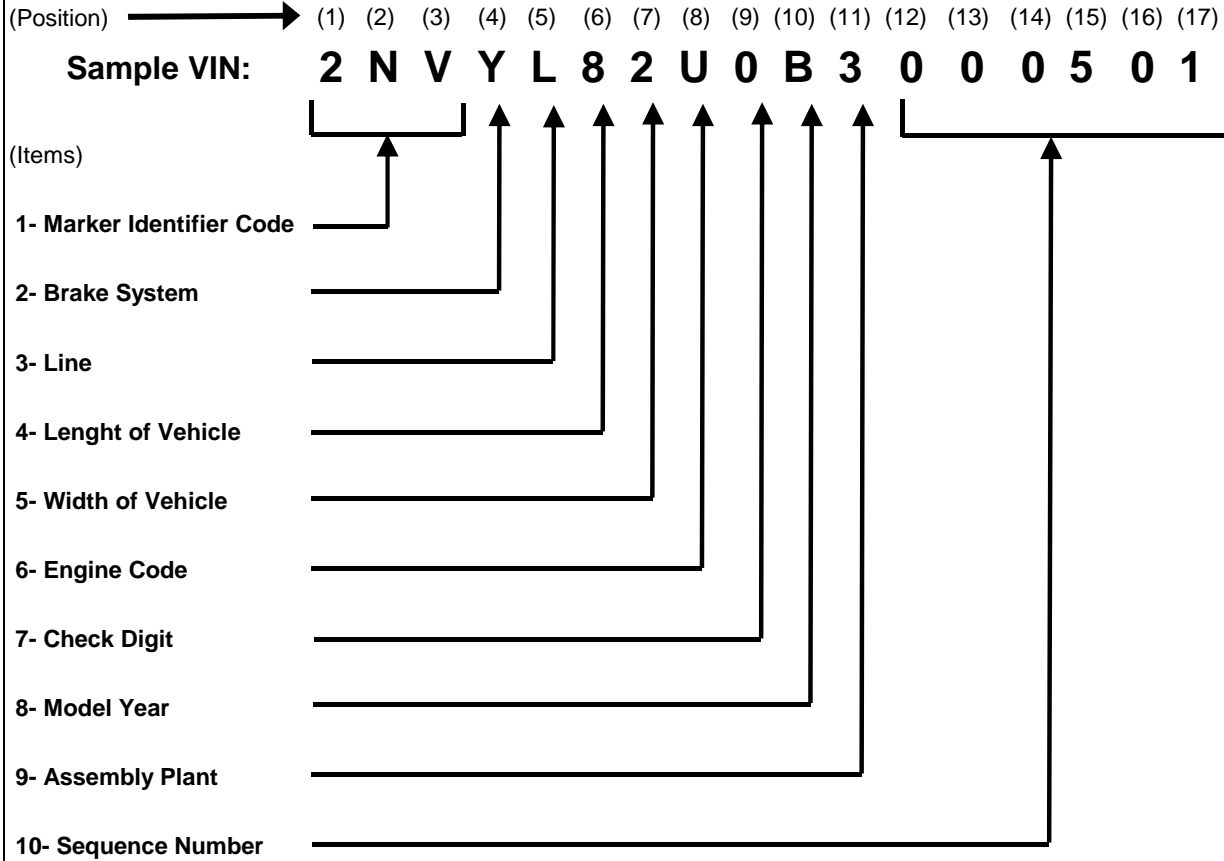
| | | |
|--------|---------|---|
| Sheet | 1 OF 4 | W |
| P/N | CMD4356 | |
| Rev | W | |
| Org.EN | 122914 | |
| Rev.EN | 225388 | |

Original Equipment Manufacturer (OEM)

| | |
|-------------|-----------------------|
| Description | VIN CODE INSTRUCTIONS |
|-------------|-----------------------|

| | |
|------------------|--|
| Suggested Vendor | |
| Vendor P/N | |
| Ordering Unit | |

TECHNICAL CHARACTERISTICS



Notes: Complies with CMVSS 115 and 49 CFR Part 565.

| | | | |
|-------------------|--|------------------|--|
| Second Vendor | | Third Vendor | |
| Second Vendor P/N | | Third Vendor P/N | |

Finished parts to be identified as per Engineering Instruction EI97-016.

Les produits chimiques ou pièces livrées au Groupe Volvo doivent répondre aux requis indiqués dans les standards Volvo 100-0002, 100-0003 et 100-0005.
 Chemical products or parts delivered to Volvo Group must fulfill the requirements stated in the Volvo standards 100-0002, 100-0003 and 100-0005.

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| Written by | Date | Revised by | Date | Change description |
|-------------|------------|-------------|------------|---|
| B RENAUD | 1993-03-23 | M SANTERRE | 2022-02-09 | SHEET 5 REMOVED |
| Approved by | Date | Approved by | Date | J= "DIESEL 280 TOP 350hp" WAS "DIESEL" |
| D PICARD | 1993-03-23 | R CHOUINARD | 2022-02-09 | K="ALTERNATE FUEL (CNG) 280hp" WAS "ALTERNATE FUEL" |
| Checked by | Date | Checked by | Date | L="HYBRID (DIESEL) 270 TO 330hp" WAS "HYBRID" |
| | | | | M="ELECTRIC 270 TO 335hp" WAS "ELECTRIC" |

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REV/VER

STATUS

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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 |
|---|---|-----|

3 - Line (Position 5)

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

4 - Length 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 |
|---|---|-------------|

6 - Engine Code (Position 8)

| | | | |
|---|---|------------------------------------|----------|
| A | = | CUMMINS ISL-G | OBSOLETE |
| B | = | HYBRID CUMMINS ISL BAE TB-300 | |
| J | = | DIESEL 280 TO 350hp | |
| K | = | ALTERNATE FUEL (CNG) 280hp | |
| L | = | HYBRID (DIESEL) 270 TO 330hp | |
| M | = | ELECTRIC 270 TO 335hp | |
| 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 | OBSOLETE |
| 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.

Example: 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.

Example: 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.

Example: 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.

Example: Year 2016 Last Bus 775791
 Year 2017 First Bus 775792

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