NOVA BUS

# INFORMATION LETTER LI3478ER1

| | |
|---|---|
| **REFERENCE:** | Nova Bus Manuals |
| **SECTION:** | 16: 24-Volt Electrical System |
| **RS N°:** | MQR 7621-877 |
| **EFFECTIVE IN PROD.:** | N/A |

**APPLICATION DEADLINE:** N/A

| | |
|---|---|
| **SUBJECT:** | Incompatibility of Actia gauge programs |
| **JUSTIFICATION:** | A fault may appear on the Actia gauge if an incorrect program version is used |

| LEVEL | DESCRIPTION | DIRECT CHARGES | | TIME |
|---|---|---|---|---|
| | | LABOUR | MATERIAL | |
| 1 | Reprogram the Actia gauges | Client | Client | 15min |
| 2 | – | – | – | – |

## MATERIAL

| QTY | PART N° | REV. | DESCRIPTION | REPLACES PART N° |
|---|---|---|---|---|
| **LEVEL 1** | | | | |
| – | – | – | – | – |
| **LEVEL 2** | | | | |
| – | – | – | – | – |

**Contact your customer service representative to obtain the required software and program revision required.**

## DISPOSAL OF PARTS

| REMOVED PARTS ARE: | DISCARDED * | RETAINED | * Dispose of the unused parts and the defective parts in accordance with local environmental standards in effect. |
|---|---|---|---|
| | N/A | – | |

## REVISION HISTORY

| REV. | DATE | CHANGE DESCRIPTION | WRITTEN BY |
|---|---|---|---|
| NR | 2016MA12 | Initial release | Marc Rougeau |
| R1 | 2016SE29 | Speedo SW 109633V08_00 changed to 109633V08_02 for ATUQ. For TTC Speedo SW 116724V04_35 changed to 116724V01_40 and Tach SW 117130V01_07 changed to 117130V01_09 | Marc Rougeau |

**APPROVED BY:** Daniel Theriault

Digitally signed by Daniel Theriault
DN: cn=Daniel Theriault, o=Nova Bus, ou, email=daniel.theriault@volvo.com, c=CA
Date: 2016.09.29 13:59:01 -04'00'

## CAUTION

In order to avoid all software incompatibility issues between the speedometer and tachometer install the required tachometer software version and appropriate speedometer software from the table below with the configurator version found in the table below. The information in the table below will change in time, contact your after sales representative for the latest SW versions.

| CLIENT | LOT | Nº VÉHICULE | | NIV (2NVY/4RKY...) | | QTÉ | SPEEDO P/N | SPEEDO SW | TACH | TACH SW | CONFIG TOOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DE | À | DE | À | | | | | | |
| Academy Bus - New Jersey | L333 | — | — | L82U273 | L82U47 | 5 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Academy Bus - New Jersey | L339 | — | — | L82U48 | L82U883 | 5 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Academy Bus - New Jersey | L340 | — | — | L82U49 | L82U19 | 5 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Airdrie Transit - Alberta | L664 | — | — | L82U2B3 | L82U2B | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Airdrie Transit - Alberta | L759 | — | — | L82U0D | L82U0D | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Ames Transportation Agency - Iowa | L707 | 660 | 661 | S92U5C4 | S92U1C4 | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Arrow Coach Line - Arkansas | L494 | — | — | L82U793 | L82U79 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Austin - CMTA - Texas | L635 | 5001 | 5001 | S92U7C4 | S92U7C4 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Austin - CMTA - Texas | L636 | 5002 | 5022 | S92U1D4 | S92U0D4 | 21 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Austin - CMTA - Texas | L704 | 5051 | 5068 | L82J7E4 | L82J2E | 18 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| BC Transit - BCT - British Columbia | L342 | 9232 | 9251 | L82U173 | L82U173 | 20 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L343 | 9252 | 9267 | L82U973 | L82U073 | 16 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L414 | 9268 | 9289 | L82U983 | L82U783 | 22 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L417 | 9290 | 9297 | L82U983 | L82U183 | 8 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L430 | 9301 | 9318 | L82U483 | L82U483 | 18 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L458 | 9298 | 9300 | L82U683 | L82UX | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L463 | 9319 | 9333 | L82U093 | L82U09 | 15 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L481 | 9334 | 9353 | L82U794 | L82U094 | 20 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L484 | 9370 | 9403 | L82U494 | L82U494 | 34 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L486 | 9354 | 9369 | L82U294 | L82U494 | 16 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L487 | 9404 | 9433 | L82U094 | L82U794 | 30 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L604 | 9434 | 9434 | L82U5C3 | L82U5C | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L735 | 9435 | 9440 | L82U4C3 | L82U8C3 | 6 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L736 | 9441 | 9446 | L82U8D3 | L82U7D | 6 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| BC Transit - BCT - British Columbia | L858 | 9447 | 9481 | L82JXE3 | L82J5F | 35 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| BC Transit - BCT - British Columbia | L891 | — | — | L82J5F3 | L82J2F3 | 5 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Belleville Transit - Ontario | L354 | 354-1 | 354-1 | L82U983 | L82U983 | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Belleville Transit - Ontario | L357 | 357-1 | 357-1 | L82U783 | L82U783 | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Belleville Transit - Ontario | L542 | — | — | L82UXA3 | L82U8A | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Belleville Transit - Ontario | L598 | — | — | L82U5A3 | L82U7A3 | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Belleville Transit - Ontario | L655 | — | — | L82U3B3 | L82U3B | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |

| CLIENT | LOT | Nº VÉHICULE | | NIV (2NVY/4RKY...) | | QTÉ | S P E E D O P/N | SPEEDO SW | TACH | TACH SW | CONFIG TOOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DE | À | DE | À | | | | | | |
| Belleville Transit - Ontario | L702 | — | — | L82U4D3[redacted] | L82U4D3[redacted] | 1 | N38412003 | 109633V08_02 | N45935 | 109634V07_03 | 113942V02_07 |
| Belleville Transit - Ontario (ref. L754) | L809 | — | — | L82U2D4[redacted] | L82U2D4[redacted] | 1 | #N/A | | | | |
| Bow Valley Transit - Alberta | L347 | 1 | 4 | L82W083[redacted] | L82W683[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Bow Valley Transit - Alberta | L712 | 5 | 6 | L82U6C3[redacted] | L82U8C3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brampton - Ontario | L348 | 0701 | 0715 | L82U273[redacted] | L82U773[redacted] | 15 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brampton - Ontario | L349 | 0801 | 0810 | L82U283[redacted] | L82UX83[redacted] | 10 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brampton - Ontario | L424 | 0811 | 0827 | L82U783[redacted] | L82U083[redacted] | 17 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brampton - Ontario | L425 | 0901 | 0916 | L82U993[redacted] | L82U593[redacted] | 16 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brampton - Ontario | L501 | 0917 | 0926 | L82U893[redacted] | L82U893[redacted] | 10 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brampton - Ontario | L789 | — | — | L82J4E3[redacted] | L82J1E3[redacted] | 8 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Brampton - Ontario | L816 | — | — | L82J3E3[redacted] | L82J9E3[redacted] | 7 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Brampton - Ontario | L864 | 1501 | 1510 | L82JXF3[redacted] | L82J6F3[redacted] | 10 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Brampton - Ontario | L865 | 1511 | 1519 | L82JXF3[redacted] | L82J9F3[redacted] | 9 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Brantford - Ontario | L351 | 9071 | 9075 | L82U883[redacted] | L82UX83[redacted] | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brantford - Ontario | L422 | 9081 | 9084 | L82U183[redacted] | L82U783[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brantford - Ontario | L547 | 10101 | 10105 | L82X6A3[redacted] | L82X3A3[redacted] | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brantford - Ontario | L663 | 10121 | 10121 | L82U1B3[redacted] | L82U1B3[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brantford - Ontario | L718 | 10123 | 10125 | L82U5C3[redacted] | L82U9C3[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Brantford - Ontario | L775 | 10131 | 10132 | L82U1D3[redacted] | L82U2D3[redacted]0 | 2 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Calgary Transit - Alberta | L601 | 8101 | 8114 | L82U5A4[redacted] | L82U4A4[redacted] | 14 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Calgary Transit - Alberta | L607 | 8115 | 8130 | L82UXA3[redacted] | L82U6A3[redacted] | 16 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Calgary Transit - Alberta | L615 | 8131 | 8158 | L82U1B4[redacted] | L82U4B4[redacted] | 28 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Calgary Transit - Alberta | L624 | — | — | L82U4B4[redacted] | L82U6B4[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Calgary Transit - Alberta | L637 | 8161 | 8180 | L82U7B3[redacted] | L82U2B3[redacted] | 20 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Calgary Transit - Alberta | L709 | 8181 | 8200 | L82UXC[redacted] | L82U3C3[redacted] | 20 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Calgary Transit - Alberta | L733 | 8201 | 8202 | L82AXD[redacted] | L82A1D3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Chicago Transit Authority - CTA - Illinois | L773 | — | — | L82JXD4[redacted] | L82J6D4[redacted] | 2 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Chicago Transit Authority - CTA - Illinois | L811 | 7902 | 7949 | L82J6E4[redacted] | L82J6E4[redacted] | 48 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Chicago Transit Authority - CTA - Illinois | L837 | 7950 | 7999 | L82J6E4[redacted] | L82J1E4[redacted] | 50 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Chicago Transit Authority - CTA - Illinois | L847 | 8000 | 8049 | L82J1E4[redacted] | L82JXE4[redacted] | 50 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Chicago Transit Authority - CTA - Illinois | L848 | 8050 | 8099 | L82JXF4[redacted] | L82J1F4[redacted] | 50 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Chicago Transit Authority - CTA - Illinois | L849 | 8100 | 8149 | L82J5F4[redacted] | L82J3F4[redacted] | 50 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Chicago Transit Authority - CTA - Illinois | L850 | 8150 | 8177 | L82J5F4[redacted] | L82J8F4[redacted] | 28 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Clemson Area Transit - Sou h Carolina | L617 | — | — | S92U5C4[redacted] | S92U5C4[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Clemson Area Transit - Sou h Carolina | L769 | — | — | S92U1D4[redacted] | S92U1D4[redacted] | 1 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Clemson Area Transit - Sou h Carolina (ref. L641) | L722 | — | — | L82U1C4[redacted] | L82U5C4[redacted] | 5 | #N/A | | | | |
| CMBC (TransLink) - British Columbia | L301 | 9602 | 9649 | L82U373[redacted] | L82U173[redacted] | 48 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L302 | 9650 | 9706 | L82U673[redacted] | L82U973[redacted] | 56 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L317 | 9601 | 9601 | L82U973[redacted] | L82U973[redacted] | 1 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L341 | V9707 | V9725 | L82U373[redacted] | L82U573[redacted] | 19 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L380 | 9726 | 9747 | L82U483[redacted] | L82U683[redacted] | 22 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |

NOVA BUS **INFORMATION LETTER** **LI3478ER1**

| CLIENT | LOT | Nº VÉHICULE | | NIV (2NVY/4RKY...) | | QTÉ | SPEEDO P/N | SPEEDO SW | TACH | TACH SW | CONFIG TOOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DE | À | DE | À | | | | | | |
| CMBC (TransLink) - British Columbia | L381 | 9748 | 9781 | L82U383[redacted] | L82U48[redacted] | 34 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L382 | 9782 | 9791 | L82U083[redacted] | L82U783[redacted] | 10 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L412 | 9401 | 9401 | L82X993[redacted] | L82X993[redacted] | 1 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L454 | 9402 | 9470 | L82X793[redacted] | L82XX93[redacted] | 69 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L455 | 9471 | 9491 | L82X093[redacted] | L82X993[redacted] | 21 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L482 | 9492 | 9517 | L82X894[redacted] | L82X094[redacted] | 25 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L483 | 9518 | 9542 | L82X294[redacted] | L82X594[redacted] | 25 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L532 | 9543 | 9551 | L82U093[redacted] | L82U693[redacted] | 9 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L533 | 9552 | 9573 | L82U193[redacted] | L82U093[redacted] | 22 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (TransLink) - British Columbia | L534 | 9574 | 9590 | L82U694[redacted] | L82U894[redacted] | 16 | N38412004 | 109905V08_01 | N45936 | 110102V07_03 | 113942V02_07 |
| CMBC (West Vancouver) - Bri ish Columbia | L345 | 701 | 702 | L82U373[redacted] | L82U573[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| CMBC (West Vancouver) - Bri ish Columbia | L401 | 801 | 803 | L82U983[redacted] | L82U283[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| CMBC (West Vancouver) - Bri ish Columbia | L539 | 901 | 909 | L82U494[redacted] | L82U994[redacted] | 9 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| CT Transit - Connec icut | L554 | 1041 | 1065 | S92U1A4[redacted] | S92U0A4[redacted] | 25 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| CT Transit - Connec icut | L571 | 1101 | 1110 | S92YXB4[redacted] | S92Y4B4[redacted] | 10 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| CT Transit - Connec icut | L814 | 1462 | 1473 | S92LXE4[redacted] | S92L4E4[redacted] | 12 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| CT Transit - Connec icut | L815 | 1426 | 1426 | S92L0E4[redacted] | S92L0E4[redacted] | 4 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Demo - Articulated Bus | L433 | — | — | S92UX93[redacted] | S92UX93[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Demo - Engineering Platform 2010 (Altoona) | L373 | 373-1 | 373-1 | L82UX83[redacted] | L82UX83[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Demo - Nova PF2010 (TARC) | L356 | 356-2 | 356-2 | L82U883[redacted] | L82U883[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Demo - Plateforme 2010 (ATQ) | L456 | — | — | L82U893[redacted] | L82U893[redacted] | 1 | N38412003 | 109633V08_02 | N45935 | 109634V07_03 | 113942V02_07 |
| Demo - Proto Platform 2010 | L271 | — | — | L82U283[redacted] | L82U283[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Demo CNG | L716 | — | — | L82A5D3[redacted] | L82A5D3[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Duke University - North Carolina | L651 | — | — | S92Y1B4[redacted] | S92Y3B4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Duke University - North Carolina (ref. L703) | L641 | — | — | L82U9C4[redacted] | L82U1C4[redacted] | 8 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Durham Region Transit - Ontario | L872 | 8551 | 8553 | L82J0F3[redacted] | L82J4F3[redacted] | 3 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Fredericton - New Brunswick | L369 | 1 | 1 | L82U693[redacted] | L82U693[redacted] | 1 | N38412003 | 109633V08_02 | N45935 | 109634V07_03 | 113942V02_07 |
| Fredericton - New Brunswick | L375 | 8081 | 8081 | L82U983[redacted] | L82U983[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Fredericton - New Brunswick | L672 | 8111 | 8112 | L82U0B3[redacted] | L82U2B3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Fredericton - New Brunswick | L688 | 8113 | 8113 | L82U8C3[redacted] | L82U8C3[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Fredericton - New Brunswick | L774 | 8131 | 8131 | L82U7D3[redacted] | L82U7D3[redacted] | 1 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Fredericton - New Brunswick | L812 | — | — | L82J4E[redacted] | L82J4E3[redacted] | 1 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Fredericton - New Brunswick | L836 | 8143 | 8143 | L82J2E3[redacted] | L82J2E3[redacted] | 1 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Gaylord Opryland - Nashville, Tennessee | L353 | — | — | L82U583[redacted] | L82U383[redacted] | 3 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |

| CLIENT | LOT | Nº VÉHICULE | | NIV (2NVY/4RKY...) | | QTÉ | S P E E D O P/N | SPEEDO SW | TACH | TACH SW | CONFIG TOOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DE | À | DE | À | | | | | | |
| Grand River Transit - GRT - Ontario | L337 | 2701 | 2712 | L82U373[redacted] | L82UX73[redacted] | 12 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L338 | 2713 | 2724 | L82U773[redacted] | L82U173[redacted] | 12 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L404 | 8007 | 8021 | L82U683[redacted] | L82U683[redacted] | 15 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L405 | 8022 | 8027 | L82W683[redacted] | L82WX83[redacted] | 6 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L464 | 20901 | 20913 | L82U193[redacted] | L82U493[redacted] | 13 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L560 | 21001 | 21009 | L82U2A3[redacted] | L82U1A3[redacted] | 9 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L599 | 21116 | 21118 | L82X9B3[redacted] | L82X2B3[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L631 | 21119 | 21121 | L82X4B3[redacted] | L82X2B3[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L633 | 21101 | 21115 | L82U7B3[redacted] | L82U8B3[redacted] | 15 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grand River Transit - GRT - Ontario | L668 | 21201 | 21220 | L82U6C3[redacted] | L82UXC3[redacted] | 20 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Grande Prairie Alberta | L834 | — | — | L82J7E3[redacted] | L82J2E3[redacted] | 4 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Greater Toronto Airports Authority - GTAA - Ontario | L432 | 432-1 | 432-1 | L82U793[redacted] | L82U793[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Greater Toronto Airports Authority - GTAA - Ontario | L477 | L477-1 | L477-1 | L82U194[redacted] | L82U194[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Greater Toronto Airports Authority - GTAA - Ontario | L616 | — | — | L82U4C4[redacted] | L82U4C4[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Guelph - Ontario | L397 | 195 | 198 | L82U183[redacted] | L82U783[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Guelph - Ontario | L418 | 199 | 205 | L82U883[redacted] | L82U983[redacted] | 7 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Guelph - Ontario | L431 | 206 | 220 | L82U793[redacted] | L82U793[redacted] | 15 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Guelph - Ontario | L579 | 221 | 224 | L82UXA3[redacted] | L82U5A3[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Guelph - Ontario | L669 | 225 | 228 | L82U9B3[redacted] | L82U4B3[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Guelph - Ontario | L715 | 234 | 235 | L82U3C3[redacted] | L82U5C3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Guelph - Ontario | L767 | 237 | 239 | L82UXD3[redacted] | L82U3D3[redacted] | 3 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Guelph - Ontario | L835 | 240 | 243 | L82J0E3[redacted] | L82J0E3[redacted] | 4 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Halifax - Nova Scotia | L558 | 717 | 731 | S92UXA3[redacted] | S92U6A3[redacted] | 15 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Halifax - Nova Scotia | L613 | 732 | 741 | S92UXB3[redacted] | S92UXB3[redacted] | 10 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Halifax - Nova Scotia | L693 | 526 | 534 | L82U8C[redacted] | L82U7C3[redacted] | 9 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Halifax - Nova Scotia | L708 | 742 | 761 | L92UXC3[redacted] | S92U3C3[redacted] | 20 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Halifax - Nova Scotia | L710 | 1160 | 1161 | L82U7C3[redacted] | L82U9C3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Hampton Roads - Virginia (L754) | L802 | — | — | L82U1D4[redacted] | L82UXD4[redacted] | 7 | #N/A | | | | |
| Honolulu - Hawaii | L559 | 201 | 224 | L82U6A4[redacted] | L82U7A[redacted] | 24 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Houston - Texas | L737 | 1510 | 1510 | S92U4D4[redacted] | S92U4D4[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Houston - Texas | L755 | 1511 | 1579 | S92U4D4[redacted] | S92U8D4[redacted] | 69 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Kings Transit - Nova Scotia | L581 | — | — | L82U2B3[redacted] | L82U2B3[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Krapf's Coaches - Pennsylvania (ref. L833) | L754 | — | — | L82U4D4[redacted] | L82U4D4[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Leduc Bus Line - Ontario | L346 | — | — | L82UX8[redacted] | L82UX8[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Lethbridge - Alberta | L489 | 165 | 169 | L82U493[redacted] | L82U193[redacted] | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Lethbridge - Alberta | L868 | — | — | L82J2F3[redacted] | L82J2F3[redacted] | 1 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| LYNX - Florida | L725 | — | — | S92Y9D4[redacted] | S92Y5D4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| LYNX - Florida | L764 | — | — | S92Y7D4[redacted] | S92Y9D4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| LYNX - Florida | L785 | — | — | S92L6E4[redacted] | S92L8E4[redacted] | 2 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Marketing Sales Demo | L705 | — | — | L82U1D[redacted]6 | L82U1D3[redacted] | 1 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Marketing Sales Demo - MSD 1 ISB Hybrid | L548 | — | — | L82X5A3[redacted] | L82X5A3[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |

| CLIENT | LOT | Nº VÉHICULE | | NIV (2NVY/4RKY...) | | QTÉ | SPEEDO P/N | SPEEDO SW | TACH | TACH SW | CONFIG TOOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DE | À | DE | À | | | | | | |
| Marketing Sales Demo - MSD 5 | L619 | — | — | L82X7C3[redacted] | L82X7C3[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Marketing Sales Demo - MSD 6 Houston | L628 | — | — | L82U8C4[redacted] | L82UXC4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Minnesota Valley Transit Authority - MVTA | L706 | 4252 | 4258 | L82U4C4[redacted] | L82UXC4[redacted] | 7 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Moncton (Codiac) - New Brunswick | L334 | 600 | 603 | L82U673[redacted] | L82U173[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Moncton (Codiac) - New Brunswick | L358 | 358-1 | 358-1 | L82U093[redacted] | L82U093[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Moncton (Codiac) - New Brunswick | L361 | 361-1 | 361-1 | L82U293[redacted] | L82U293[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Moncton (Codiac) - New Brunswick | L569 | — | — | L82U4B4[redacted] | L82U4B4[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Moncton (Codiac) - New Brunswick | L570 | — | — | L82U6B4[redacted] | L82U6B4[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Moose Jaw - Saskatchewan | L344 | 17 | 25 | L82U083[redacted] | L82U883[redacted] | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| MTD - Santa Barbara, California | L730 | — | — | S92J8E4[redacted] | S92J1E4[redacted] | 3 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| New York City Transit - New York | L536 | 1200 | 1201 | S92U793[redacted] | S92U993[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L545 | 1202 | 1289 | S92U5A4[redacted] | S92U0A4[redacted] | 88 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L608 | 8000 | 8014 | L82U6B4[redacted] | L82U0B4[redacted] | 15 | N38412005 | 112097V08_01 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L620 | 8015 | 8074 | L82U2B4[redacted] | L82U7B4[redacted] | 60 | N38412005 | 112097V08_01 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L621 | 8075 | 8089 | L82U9B4[redacted] | L82U9B4[redacted] | 15 | N38412005 | 112097V08_01 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L643 | 5895 | 5895 | S92U1B4[redacted] | S92U1B4[redacted] | 1 | N38412005 | 112097V08_01 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L670 | 5770 | 5894 | S92U9B4[redacted] | S92UXC4[redacted] | 125 | N38412005 | 112097V08_01 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L681 | 5896 | 5283 | S92U2C4[redacted] | S92U9C4[redacted] | 122 | N38412005 | 112097V08_01 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L692 | 5284 | 5363 | S92U3C4[redacted] | S92U3D4[redacted] | 80 | N38412005 | 112097V08_01 | N38510 | 106499V07_04 | 113942V02_07 |
| New York City Transit - New York | L840 | 8090 | 8093 | L82J5E4[redacted] | L82J0E4[redacted] | 4 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| New York City Transit - New York | L841 | 8094 | 8175 | L82J2F4[redacted] | L82J2F4[redacted] | 82 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Niagara Falls - Ontario | L499 | 2986 | 2989 | L82U093[redacted] | L82U693[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Niagara Falls - Ontario | L652 | — | — | S92U3C3[redacted] | S92U6C3[redacted] | 11 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Niagara Falls - Ontario | L653 | — | — | L82U9C3[redacted] | L82U9C3[redacted] | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Niagara Falls - Ontario | L771 | 1396 | 1397 | L82U9D3[redacted] | L82U0D3[redacted] | 2 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Niagara Parks Commission - Ontario | L656 | — | — | L82U0C3[redacted] | L82U2C3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Niagara Parks Commission - Ontario | L685 | — | — | S92U9C3[redacted] | S92U8C3[redacted] | 9 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Oakville - Ontario | L874 | — | — | L82J6F3[redacted] | L82JXF3[redacted] | 6 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Peterborough - Ontario | L411 | 36 | 50 | L82U283[redacted] | L82U083[redacted] | 15 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Peterborough - Ontario | L490 | — | — | L82UX93[redacted] | L82U593[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Peterborough - Ontario | L770 | 55 | 60 | L82U0D3[redacted] | L82UXD3[redacted] | 6 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Puerto Rico (ref. L754) | L788 | — | — | L82UXD4[redacted] | L82U0D4[redacted] | 16 | #N/A | | | | |
| Red Deer - Alberta | L726 | — | — | L82UXC3[redacted] | L82U1C3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Red Deer - Alberta | L766 | 1104 | 1105 | L82U7D3[redacted] | L82U9D3[redacted] | 2 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Red Deer - Alberta | L772 | 1106 | 1108 | L82J2E3[redacted] | L82J6E3[redacted] | 3 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Red Deer - Alberta | L813 | 10008 | 10009 | L82J2E3[redacted] | L82J4E3[redacted] | 2 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Red Deer - Alberta | L869 | — | — | L82J9F3[redacted] | L82J0F3[redacted] | 2 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Regina - Saskatchewan | L304 | 611 | 616 | L82U373[redacted] | L82U773[redacted] | 6 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |

| CLIENT | LOT | Nº VÉHICULE | | NIV (2NVY/4RKY...) | | QTÉ | SPEEDO P/N | SPEEDO SW | TACH | TACH SW | CONFIG TOOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DE | À | DE | À | | | | | | |
| Regina - Saskatchewan | L356 | 356-1 | 356-1 | L82U88 | L82U883 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Regina - Saskatchewan | L360 | — | — | L82U283 | L82U283 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Regina - Saskatchewan | L459 | 617 | 624 | L82UX83 | L82U783 | 8 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Regina - Saskatchewan | L476 | 625 | 628 | L82U893 | L82U393 | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Regina - Saskatchewan | L561 | 631 | 644 | L82U8B4 | L82UXB4 | 14 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Regina - Saskatchewan | L639 | 645 | 654 | L82U1B3 | L82U2B3 5 | 10 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Regina - Saskatchewan | L748 | 655 | 662 | L82U3D3 | L82U0D3 | 8 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Regina - Saskatchewan | L776 | 663 | 669 | L82U4D3 | L82U5D3 | 7 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Regina - Saskatchewan | L807 | 671 | 685 | L82J8E3 | L82J2E3 | 15 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Regina - Saskatchewan | L892 | 686 | 691 | L82J5F3 | L82J4F3 | 6 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| San Joaquin County - California | L768 | — | — | S92L4D4 | S92L3D4 | 6 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Saskatoon - Saskatchewan | L359 | — | — | S92U583 | S92U583 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Saskatoon - Saskatchewan | L551 | 1005 | 1007 | S92UXA3 | S92U8A3 | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Saskatoon - Saskatchewan | L568 | — | — | S92U9B3 | S92U9B3 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Saskatoon - Saskatchewan | L618 | — | — | S92U1C3 | S92U1C3 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Saskatoon - Saskatchewan | L690 | 1201 | 1204 | L82U6C3 | L82U1C3 | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Saskatoon - Saskatchewan | L831 | 1401 | 1405 | L82J7E3 | L82J9E3 | 5 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Saskatoon - Saskatchewan | L894 | 1501 | 1510 | L82J0F3 | L82J7F3 | 10 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Sault Ste-Marie Transit Services - Ontario (ref. L686) | L641 | 135 | 139 | L82U7C45 | L82U6C4 | 5 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Sault Ste-Marie Transit Services - Ontario (ref. L751) | L754 | — | — | L82U7D4 | L82U7D4 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| SEPTA - Pennsylvania | L724 | 7300 | 7301 | S92Y1D4 | S92Y3D4 | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| SEPTA - Pennsylvania | L728 | | | L82W7D4 | L82W7D4 | 1 | N38412010 | 116724V01_30 | N79043 | 117130V01_07 | 116796V04_04 |
| SEPTA - Pennsylvania | L741 | — | — | S92L4E4 | S92L4E4 | 1 | N38412010 | 116724V01_30 | N79043 | 117130V01_07 | 116796V04_04 |
| SEPTA - Pennsylvania | L742 | 7371 | 7414 | S92L6E4 | S92L7E4 | 44 | N38412010 | 116724V01_30 | N79043 | 117130V01_07 | 116796V04_04 |
| SEPTA - Pennsylvania | L743 | — | — | S92L1E4 | S92L2E4 | 15 | N38412010 | 116724V01_30 | N79043 | 117130V01_07 | 116796V04_04 |
| SEPTA - Pennsylvania | L744 | — | — | L82L7E4 | L82LXE4 | 89 | N38412010 | 116724V01_30 | N79043 | 117130V01_07 | 116796V04_04 |
| SEPTA - Pennsylvania | L745 | 7415 | 7415 | S92L0F4 | S92L0F4 | 1 | N38412010 | 116724V01_30 | N79043 | 117130V01_07 | 116796V04_04 |
| SEPTA - Pennsylvania | L746 | 7416 | 7454 | S92L7F4 | S92L8F4 | 39 | N38412010 | 116724V01_30 | N79043 | 117130V01_07 | 116796V04_04 |
| SEPTA - Pennsylvania | L749 | 7302 | 7354 | S92Y7D4 | S92L2E4 | 53 | N38412010 | 116724V01_30 | N79043 | 117130V01_07 | 116796V04_04 |
| St. John - New Brunswick | L272 | — | — | S92U483 | S92U483 | 1 | N38412003 | 109633V08_02 | N45935 | 109634V07_03 | 113942V02_07 |
| St. John - New Brunswick | L273 | — | — | S92U383 | S92U383 | 1 | N38412003 | 109633V08_02 | N45935 | 109634V07_03 | 113942V02_07 |
| St. John's - Newfoundland | L352 | 0857 | 0861 | L82U683 | L82U383 | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| St. John's - Newfoundland | L403 | 0962 | 0965 | L82U295 | L82U493 | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| St. John's - Newfoundland | L503 | 1066 | 1066 | L82U4A3 | L82U4A3 | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| St. John's - Newfoundland | L687 | 1201 | 1209 | L82U7C3 | L82U2C3 | 9 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| St. John's - Newfoundland | L731 | 1310 | 1314 | L82U3C3 | L82U2C3 | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| St. John's - Newfoundland | L808 | 1415 | 1419 | L82J4E3 | L82J1E3 | 5 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| St. John's - Newfoundland | L875 | 1520 | 1525 | L82JXF3 | L82J3F3 | 6 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Stratford - Ontario | L371 | — | — | L82U183 | L82U183 | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Stratford - Ontario | L493 | — | — | L82U2A3 | L82U2A3 | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Stratford - Ontario | L634 | — | — | L82UXB3 | L82UXB3 | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Stratford - Ontario | L752 | — | — | L82U9D3 | L82U9D3 | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Strathcona County Transit - Alberta | L383 | — | — | L82U083 | L82U083 | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Strathcona County Transit - Alberta | L406 | 937 | 939 | L82U783 | L82U083 | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |

| CLIENT | LOT | Nº VÉHICULE | | NIV (2NVY/4RKY...) | | QTÉ | SPEEDO P/N | SPEEDO SW | TACH | TACH SW | CONFIG TOOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DE | À | DE | À | | | | | | |
| Strathcona County Transit - Alberta | L407 | 940 | 943 | L82W083[redacted] | L82W683[redacted]6 | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Strathcona County Transit - Alberta | L457 | 944 | 949 | L82U683[redacted] | L82U683[redacted] | 6 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Strathcona County Transit - Alberta | L523 | 2010 | 2010 | L82U693[redacted] | L82U693[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Strathcona County Transit - Alberta | L524 | 3005 | 3010 | L82X593[redacted] | L82X493[redacted] | 6 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Strathcona County Transit - Alberta | L580 | 2011 | 2023 | L82U1A3[redacted] | L82U8A3[redacted] | 13 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Strathcona County Transit - Alberta | L659 | 2024 | 2028 | L82U7B3[redacted] | L82U4B30[redacted] | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Sudbury - Ontario | L385 | 781 | 782 | L82U583[redacted] | L82U783[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Sudbury - Ontario | L386 | 785 | 785 | L82U783[redacted] | L82U783[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Sudbury - Ontario | L399 | 783 | 784 | L82U983[redacted] | L82U583[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Sudbury - Ontario | L465 | 791 | 795 | L82U593[redacted] | L82U793[redacted] | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Sudbury - Ontario | L552 | 801 | 808 | L82U3A3[redacted] | L82U0A3[redacted] | 8 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Sudbury - Ontario | L632 | 811 | 817 | L82U9B3[redacted] | L82U4B3[redacted] | 7 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Sudbury - Ontario | L740 | 831 | 833 | L82U1D3[redacted] | L82U5D3[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Thunder Bay - Ontario | L408 | — | — | L82U283[redacted] | L82U483[redacted] | 5 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Thunder Bay - Ontario | L453 | — | — | L82U283[redacted] | L82U683[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Thunder Bay - Ontario | L488 | — | — | L82U193[redacted] | L82U593[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Thunder Bay - Ontario | L614 | — | — | L82UXB3[redacted] | L82U3B3[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Thunder Bay - Ontario | L662 | 20168 | 20168 | L82U3B3[redacted] | L82U7B3[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Thunder Bay - Ontario | L739 | — | — | L82U3D3[redacted] | L82U7D3[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Thunder Bay - Ontario | L806 | — | — | L82J6E3[redacted] | L82J8E3[redacted] | 2 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Thunder Bay - Ontario | L863 | — | — | L82J8F3[redacted] | L82J6F3[redacted] | 3 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Timmins - Ontario | L426 | — | — | L82U783[redacted] | L82U883[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Timmins - Ontario | L475 | — | — | L82U493[redacted] | L82U693[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Timmins - Ontario | L550 | — | — | L82U8A3[redacted] | L82UXA3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Timmins - Ontario | L661 | — | — | L82U9B3[redacted] | L82U9B3[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Timmins - Ontario | L720 | 12-98 | 12-98 | L82U0C3[redacted] | L82U0C3[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Timmins - Ontario | L783 | — | — | L82U8D3[redacted] | L82UXD3[redacted] | 2 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Timmins - Ontario | L839 | — | — | L82J8E3[redacted] | L82J8E3[redacted] | 1 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Toronto Transit Commission - TTC - Ontario | L729 | 9000 | 9000 | S92U9D3[redacted] | S92U9D3[redacted] | 1 | N38412006 | 116724V01_40 | N79043 | 117130V01_09 | 116796V04_04 |
| Toronto Transit Commission - TTC - Ontario | L738 | 9001 | 9026 | S92J6D3[redacted] | S92J7D3[redacted] | 26 | N38412006 | 116724V01_40 | N79043 | 117130V01_09 | 116796V04_04 |
| Toronto Transit Commission - TTC - Ontario | L777 | 9027 | 9152 | S92J7E3[redacted] | S92J6E3[redacted] | 126 | N38412006 | 116724V01_40 | N79043 | 117130V01_09 | 116796V04_04 |
| Toronto Transit Commission - TTC - Ontario | L859 | 8400 | 8400 | L82J5F3[redacted] | L82J5F3[redacted] | 1 | N38412006 | 116724V01_40 | N79043 | 117130V01_09 | 116796V04_04 |
| Toronto Transit Commission - TTC - Ontario | L860 | 8401 | 8462 | L82J0F3[redacted] | L82J1F[redacted] | 71 | N38412006 | 116724V01_40 | N79043 | 117130V01_09 | 116796V04_04 |
| University of Alabama - Alabama | L310 | 7004 | 7013 | L82U973[redacted] | L82UX73[redacted] | 10 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Alabama - Alabama | L311 | 7014 | 7017 | L82U173[redacted] | L82U173[redacted] | 4 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Alabama - Alabama | L479 | 479-1 | 479-1 | L82U3940[redacted] | L82U394[redacted]2 | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Alabama - Alabama | L480 | 480-1 | 480-1 | L82U594[redacted] | L82U594[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Alabama - Alabama | L573 | — | — | L82U9A4[redacted] | L82U0A4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| | | | | | | | | | | | |

| CLIENT | LOT | Nº VÉHICULE | | NIV (2NVY/4RKY...) | | QTÉ | S P E E D O P/N | SPEEDO SW | TACH | TACH SW | CONFIG TOOL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DE | À | DE | À | | | | | | |
| University of Alabama - Alabama | L640 | — | — | L82U9B4000141 | L82UOB4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Alabama - Alabama | L671 | 7024 | 7025 | L82U5C4500119 | L82U1C4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Alabama - Alabama | L727 | 7026 | 7027 | L82U4D4500310 | L82U6D4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Alabama - Alabama | L787 | — | — | L82J2E4500507 | L82J4E4[redacted] | 2 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| University of Alabama - Alabama | L902 | 7030 | 7030 | L82J2F4500993 | L82J4F4[redacted] | 2 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| University of Colorado - Colorado | L336 | — | — | L82U773000266 | L82U773[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Colorado - Colorado | L427 | — | — | S92U693000027 | S92U693[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Colorado - Colorado | L428 | — | — | S92U893000028 | S92U893[redacted] | 1 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| University of Colorado - Colorado | L627 | — | — | S92UXB4000139 | S92U6B4[redacted] | 2 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Walt Disney World - Florida | L535 | 1204 | 1213 | L82UXA4000003 | L82U0A4[redacted] | 10 | N38412002 | 113813V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Walt Disney World - Florida | L763 | — | — | S92U0D3001019 | S92U4D3[redacted] | 6 | N38412010 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Whitehorse - Yukon | L423 | — | — | L82U983000481 | L82U083[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Whitehorse - Yukon | L563 | 38 | 41 | L82U3A3000255 | L82U9A3[redacted] | 4 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Whitehorse - Yukon | L784 | 43 | 43 | L82U9D3001057 | L82U9D3[redacted] | 1 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Woodstock - Ontario | L335 | — | — | L82U083000093 | L82U083[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Woodstock - Ontario | L419 | — | — | L82U183000409 | L82U183[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Woodstock - Ontario | L460 | — | — | L82U693000309 | L82U693[redacted] | 1 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Woodstock - Ontario | L492 | — | — | L82U4A3000040 | L82U6A3[redacted] | 2 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| Woodstock - Ontario | L778 | — | — | L82U2D3001014 | L82U2D3[redacted] | 1 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| Woodstock - Ontario | L832 | — | — | L82J9E3001342 | L82J9E[redacted] | 1 | N38412006 | 116724V01_35 | N79043 | 117130V01_07 | 116796V04_04 |
| York Regional Transit - Ontario | L562 | 1080 | 1082 | S92U2A3000420 | S92U6A3[redacted] | 3 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| York Regional Transit - Ontario | L572 | 1083 | 1094 | S92U3A3000569 | S92U2A3[redacted] | 12 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| York Regional Transit - Ontario | L654 | 1370 | 1390 | S92U1D3000946 | S92U2D3[redacted] | 21 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |
| York Regional Transit - Ontario | L761 | 1391 | 1396 | S92U6D3001008 | S92UXD3[redacted] | 6 | N38412001 | 106712V08_02 | N38510 | 106499V07_04 | 113942V02_07 |

**WARNING**

**Follow your internal safety procedures.**

**NOTE**

**This procedure requires the CAT CAN Analyzer programming and diagnostic tool. Contact Prevost Parts to order N43578 (Cable) and N43579 (RS232 connector CAN Analyzer) or N8901881 (CAN Analyzer with USB cable). See Figure 1.**

# PROCEDURE


| Engine Type | Page |
|---|---|
| 2005-2012 | 18 |
| 2013 and up | 29 |


## TOOLS

1.1. Connect the CAN Analyzer to a computer equipped with the NOVA BUS SETUP PROGRAM software (see Figure 1).

1.2. Open the left overhead console panel and connect the CAN Analyzer cable to the DDR connector (see Figure 1).

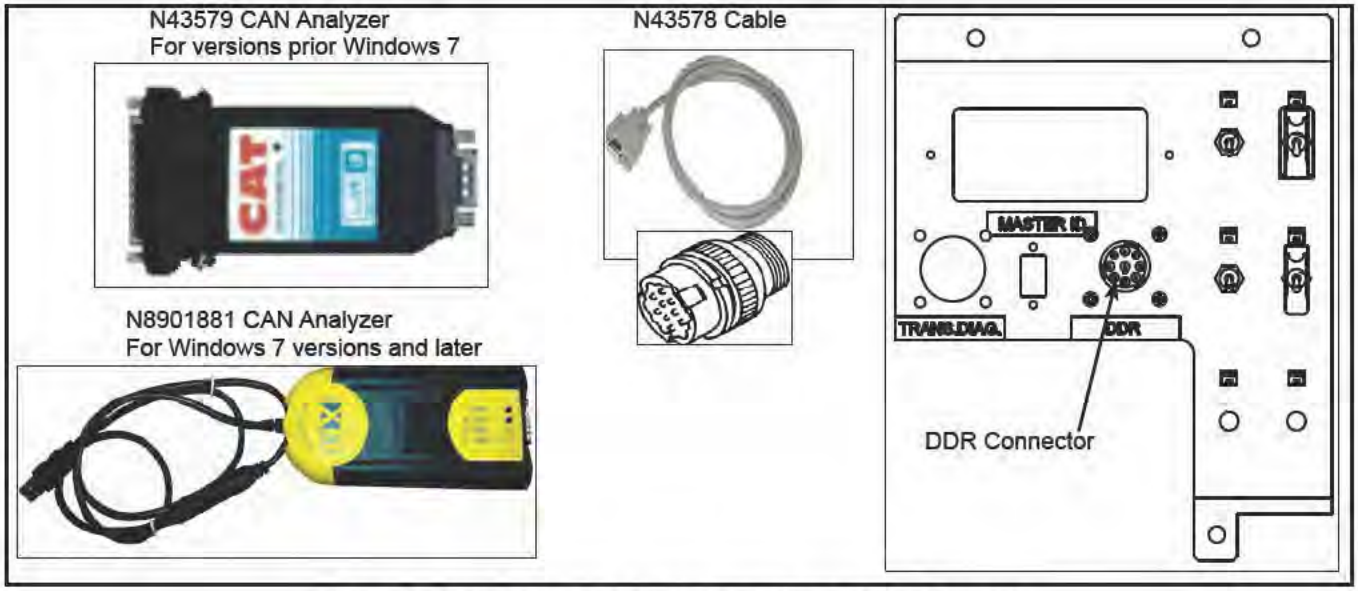


*Figure 1 - CAN Analyser, Cable and Location of DDR Connector*

1.3. Validate that the computer has the latest versions of the NOVA BUS SETUP PROGRAMS installed.

1.3.1. To check the version, open the software and check the version number displayed in the title bar. See the table below for the correct software for your engine model.

| Cummins Engine | Software VERSION |
|---|---|
| | |
| Prior TO 2013 | 113942 version 2_07 or higher |
| | |
| 2013 and up | 116796 version 4_04 |

1.4. If needed download the latest ACTIA program supplied by your customer service representative for the vehicle to the computer connected to the CAN Analyzer. See the Client List for the appropriate program.

1.5. Program the ACTIA system. For the programming procedure, refer to the ACTIA GAUGES REPROGRAMMING heading in section 16 : 24-VOLT ELECTRICAL SYSTEM of the Nova LFS maintenance manual.

## FAMILIARISATION

### 2005-2012 ENGINES

2.1. General functions (see Figure 2).

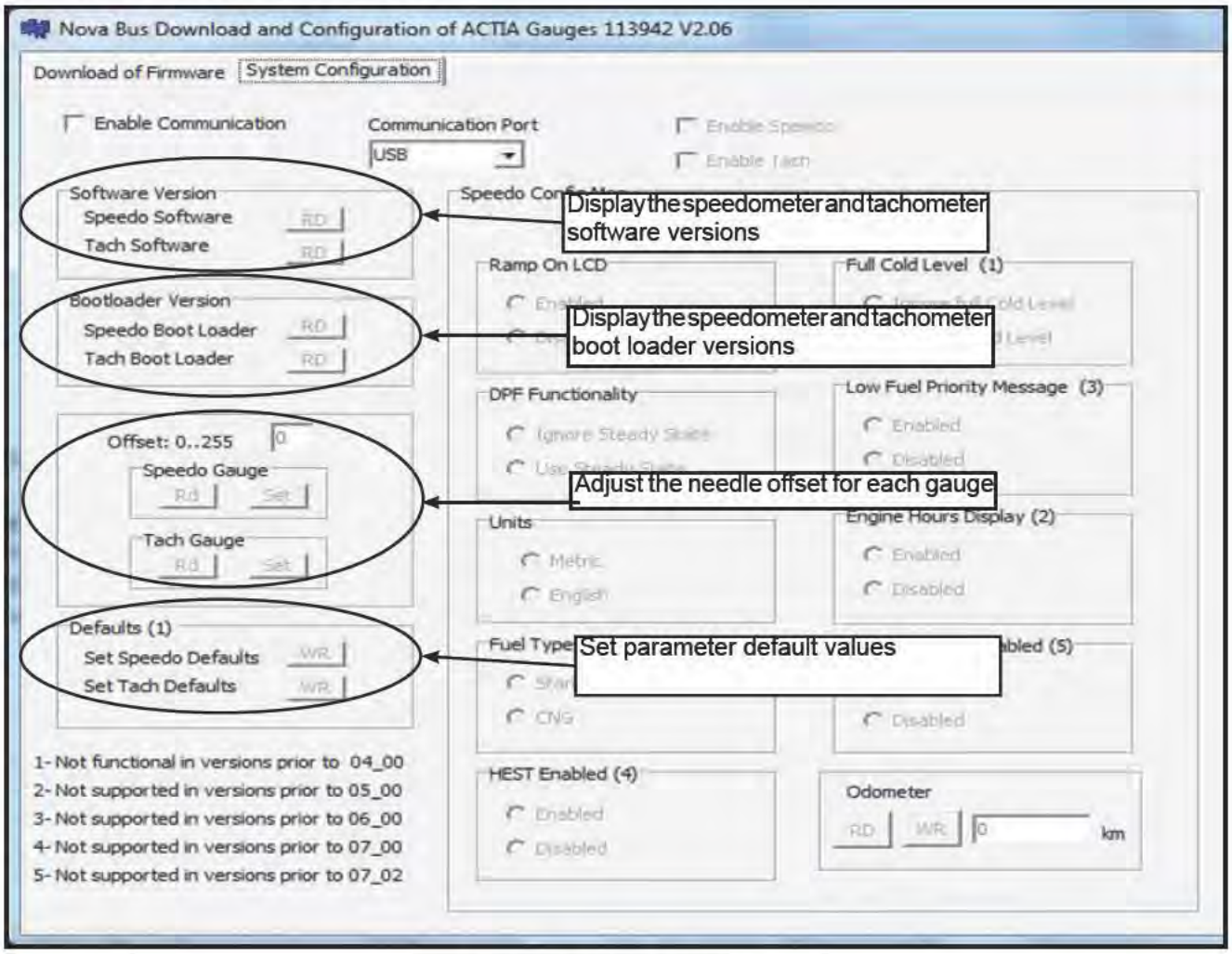


*Figure 2 - General Functions*

2.2. Speedometer parameter overview (see Figure 3).

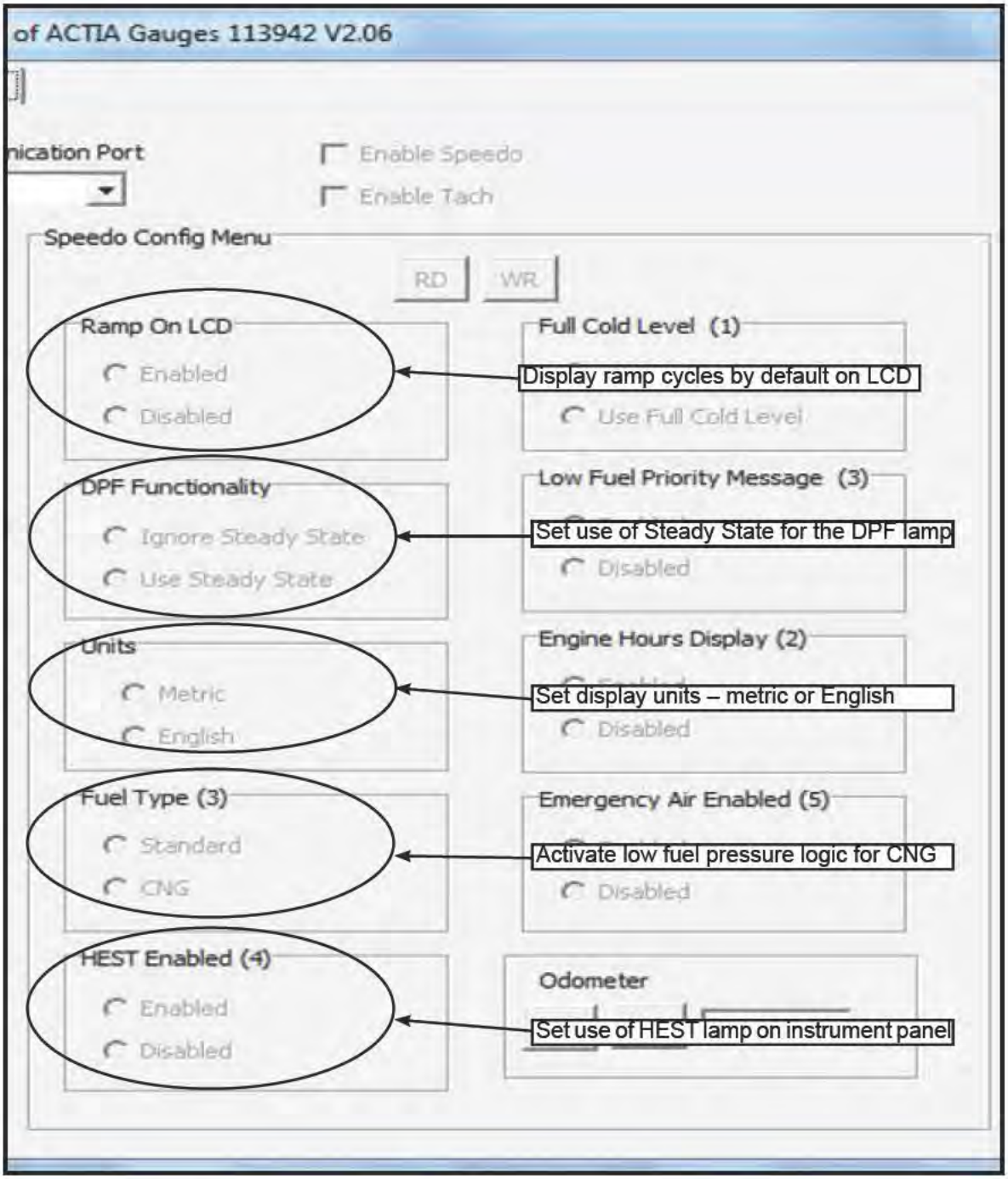


*Figure 3 - Speedometer Parameters*

2.3. Speedometer parameter overview (see Figure 4).

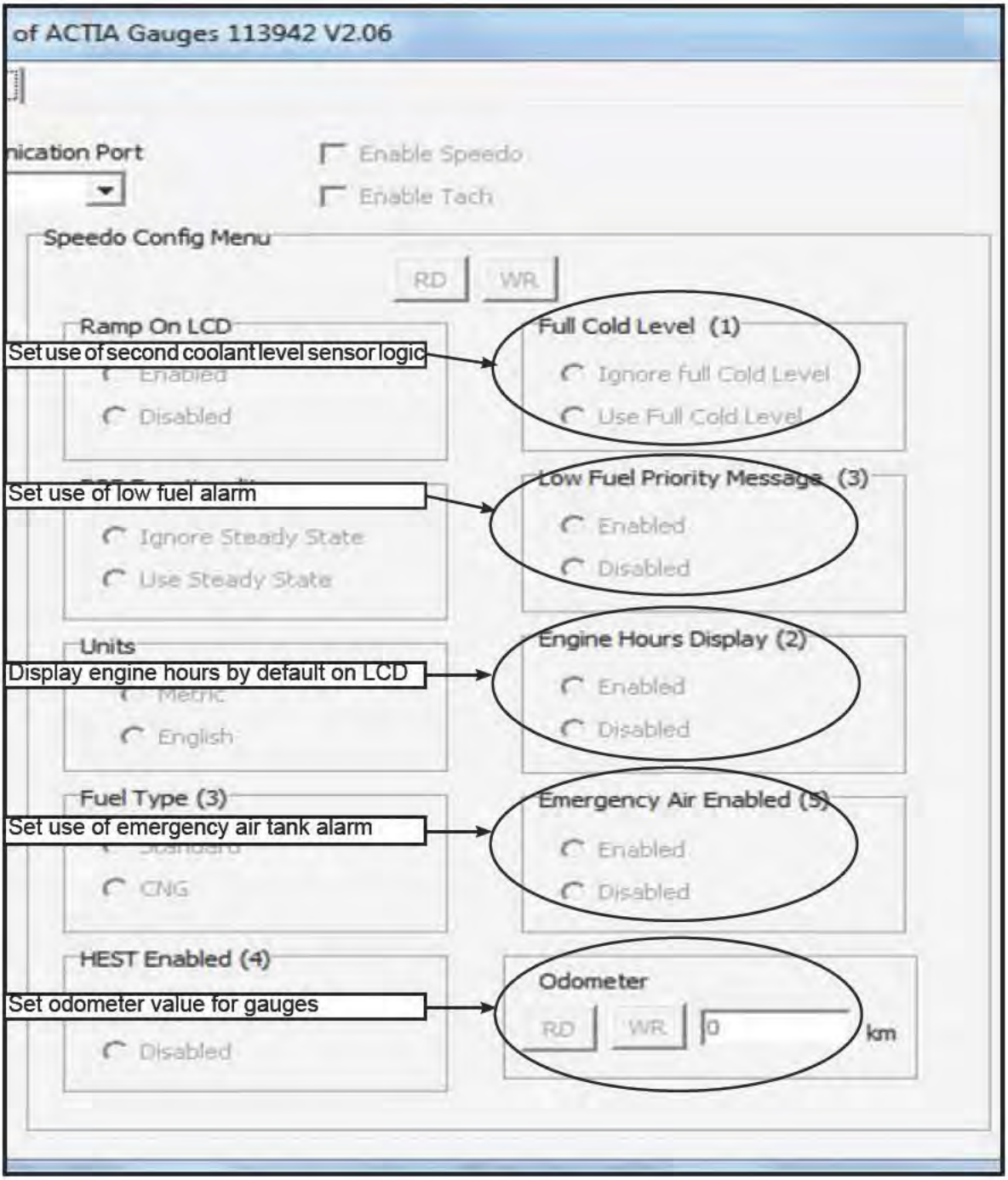


*Figure 4 - Speedometer Parameters*

2.4. Tachometer parameter overview (see Figure 5).

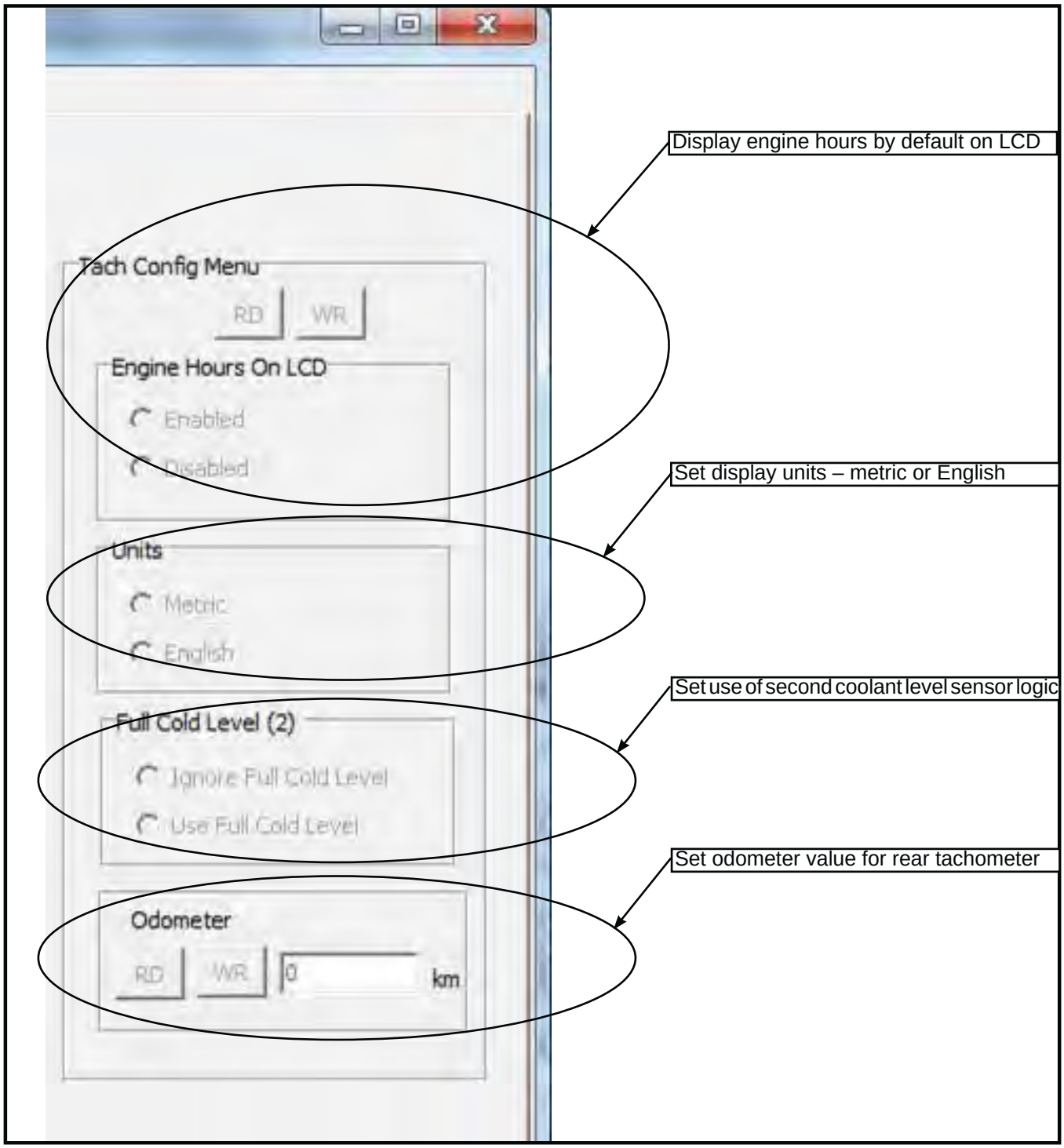


*Figure 5 - Tachometer Parameters*

## 2013 ENGINES AND ABOVE

2.5. General functions (see Figure 6).

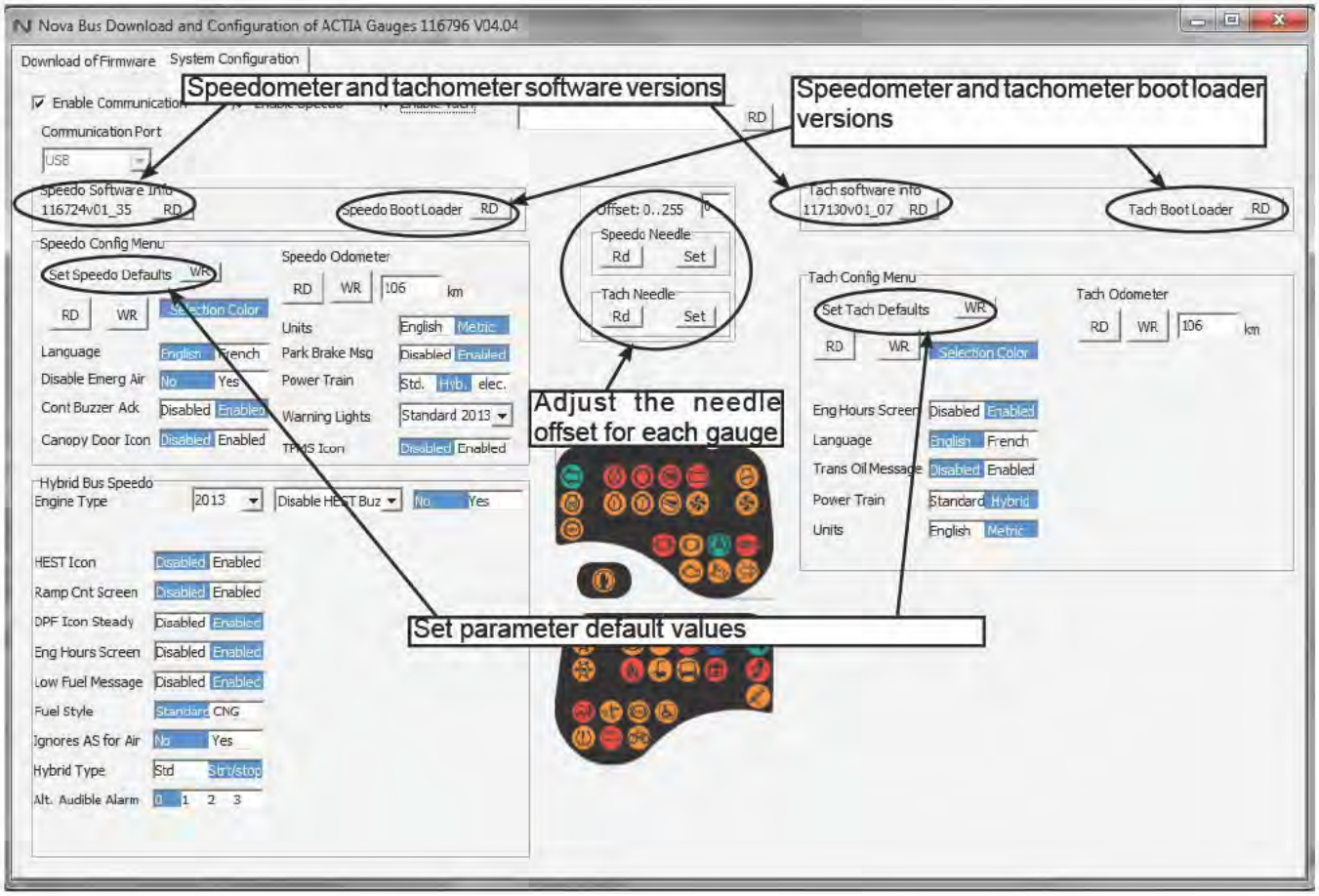


*Figure 6 - General Functions*

2.6. Speedometer parameter overview (see Figure 7).

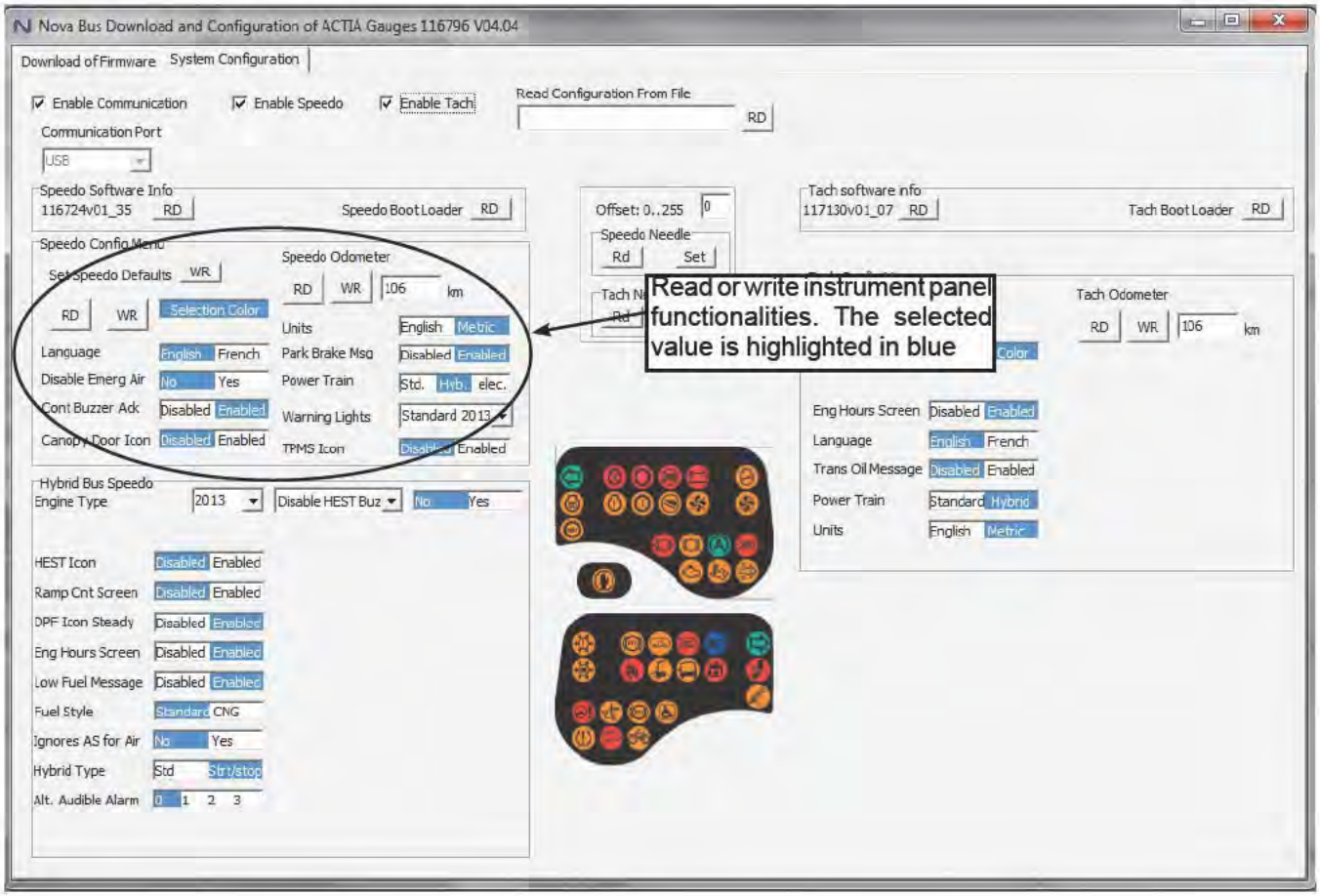


*Figure 7 - Speedometer Parameters*

2.7. Tachometer parameter overview (see Figure 8).

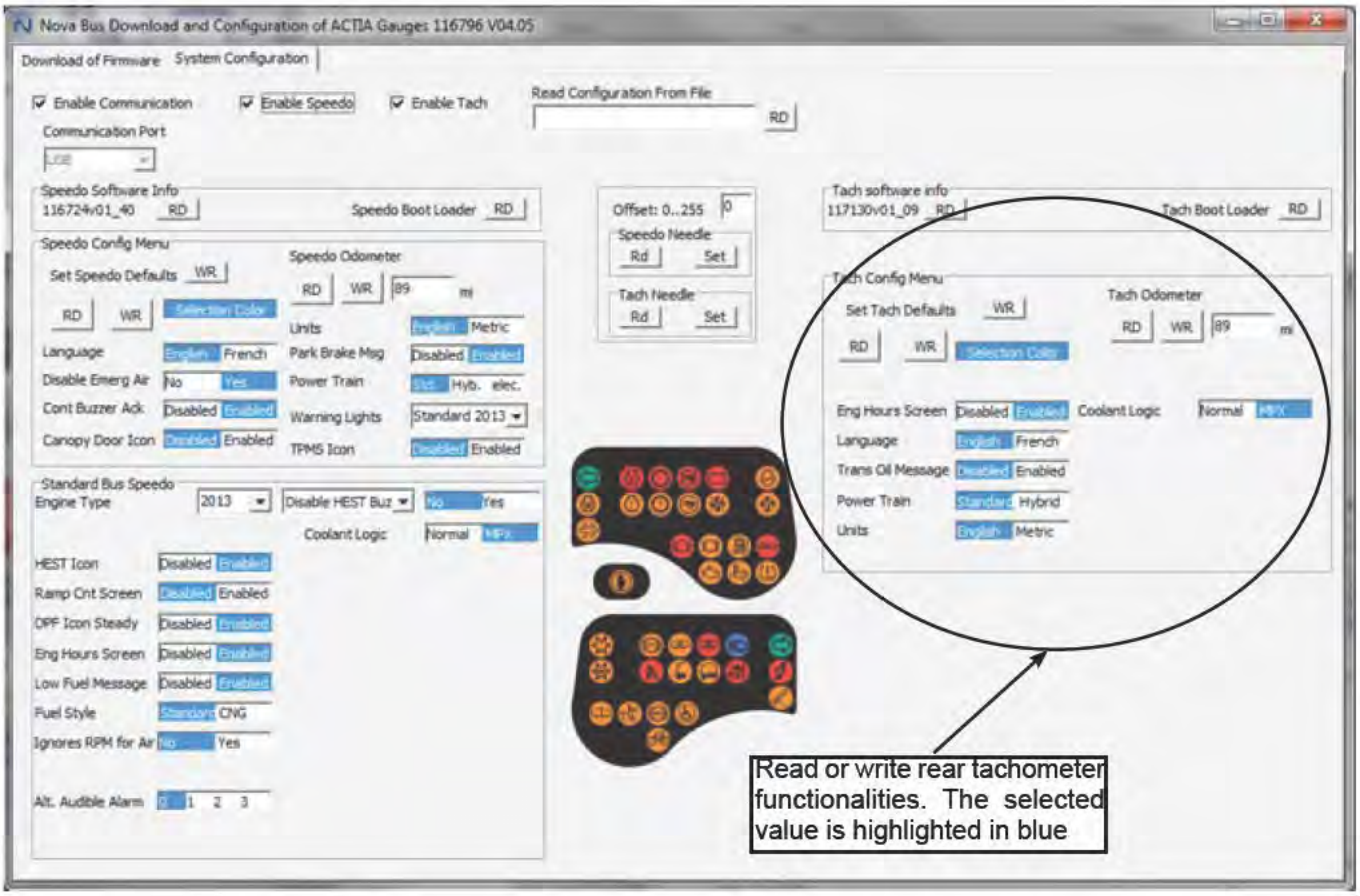


*Figure 8 - Tachometer Parameters*

# SPEEDOMETER PROCEDURE
## 2005-2012 ENGINES

**NOTE**

**There are two possible settings during this procedure, set the MASTER CONTROL SWITCH to the ON position with the engine start switch, in the engine compartment set to front. Or, set the MASTER CONTROL SWITCH to the OFF position with the engine start switch, in the engine compartment set to rear. Both settings work.**

3.1.1 In the System Configuration tab, select the appropriate communication port from the drop-down list (see Figure 9).


*Figure 9 - Select the Appropriate Communication Port*

3.1.2 Check the Enable Communication box (see Figure 10).

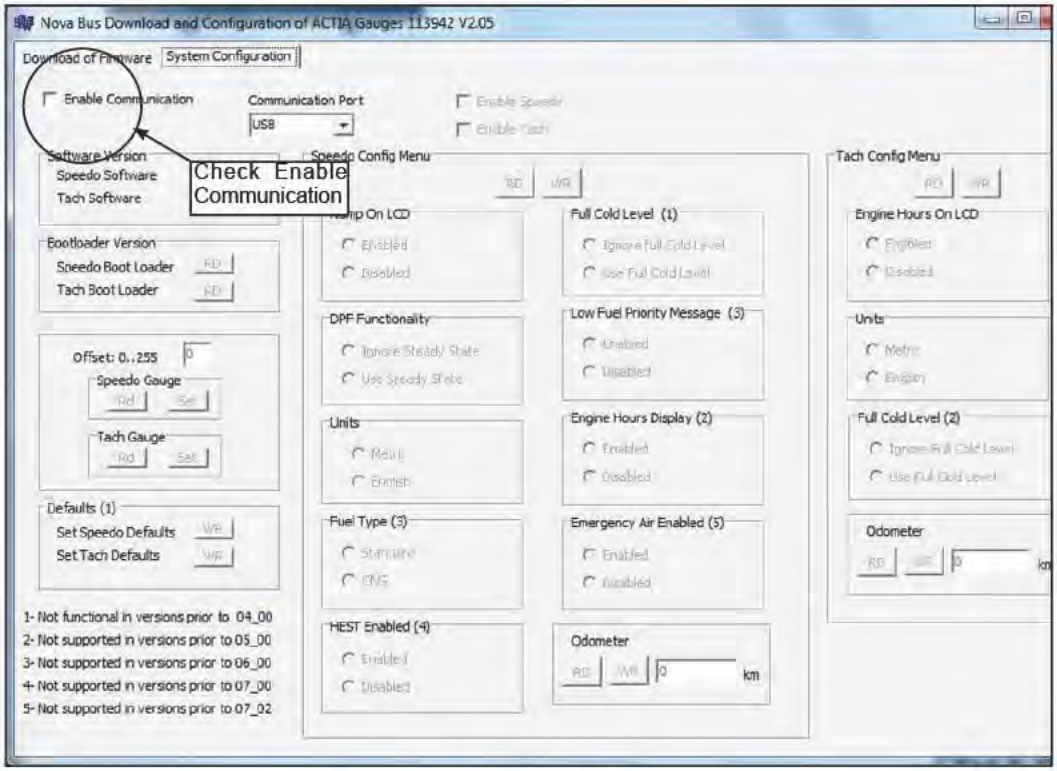


*Figure 10 - Enable Communication*

3.1.3 Check the Enable Speedo box (see Figure 11).

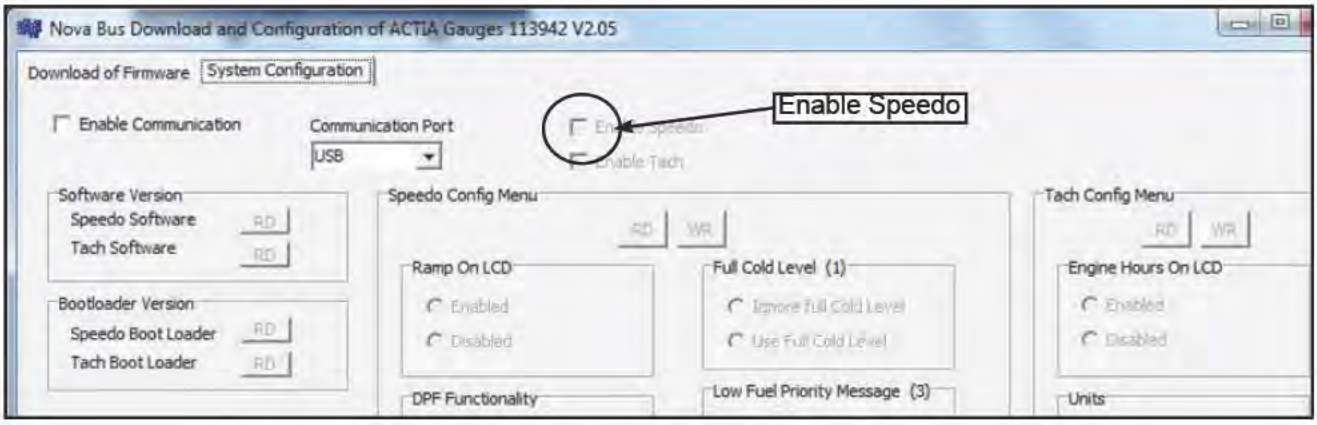


*Figure 11 - Enable Speedometer*

3.1.4 Click the Read (RD) button in each section as needed to display the configuration of parameters (see Figure 12).

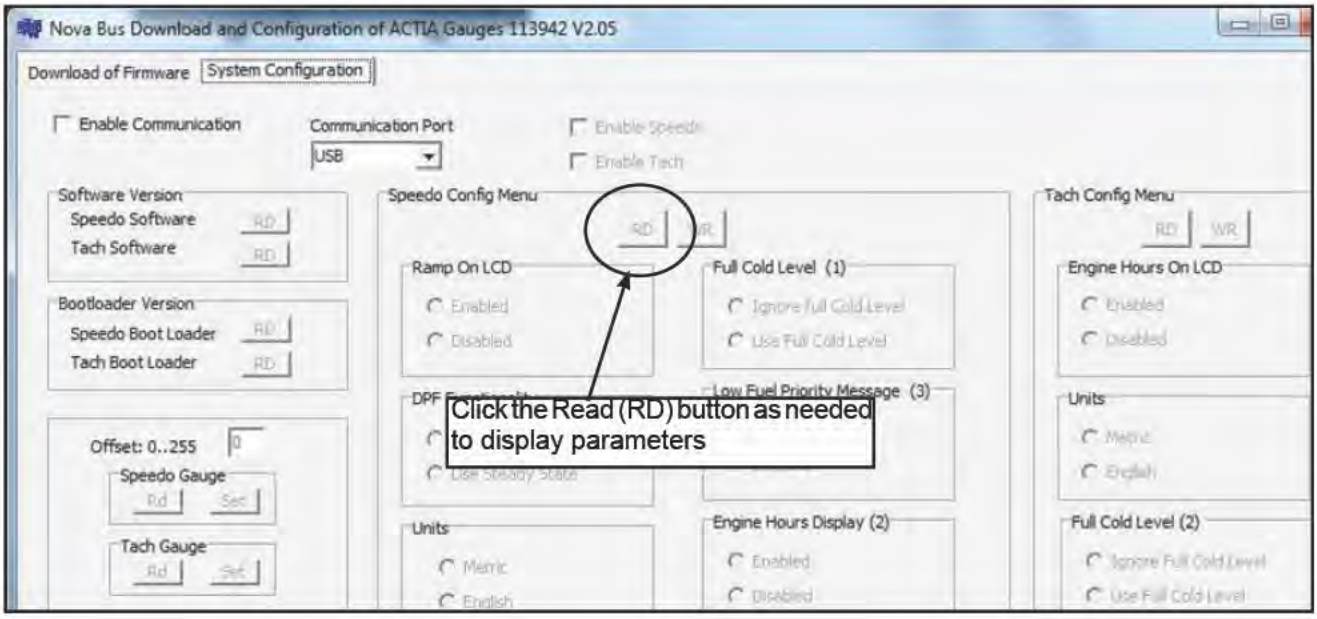


*Figure 12 - Click the Read (RD) Button*

3.1.5 Note the configuration of the following parameters: Ramp On LCD, DPF Functionality, Units, HEST Enabled, and Emergency Air Enabled. This configuration will be required in step 3.1.15 (see Figure 13).

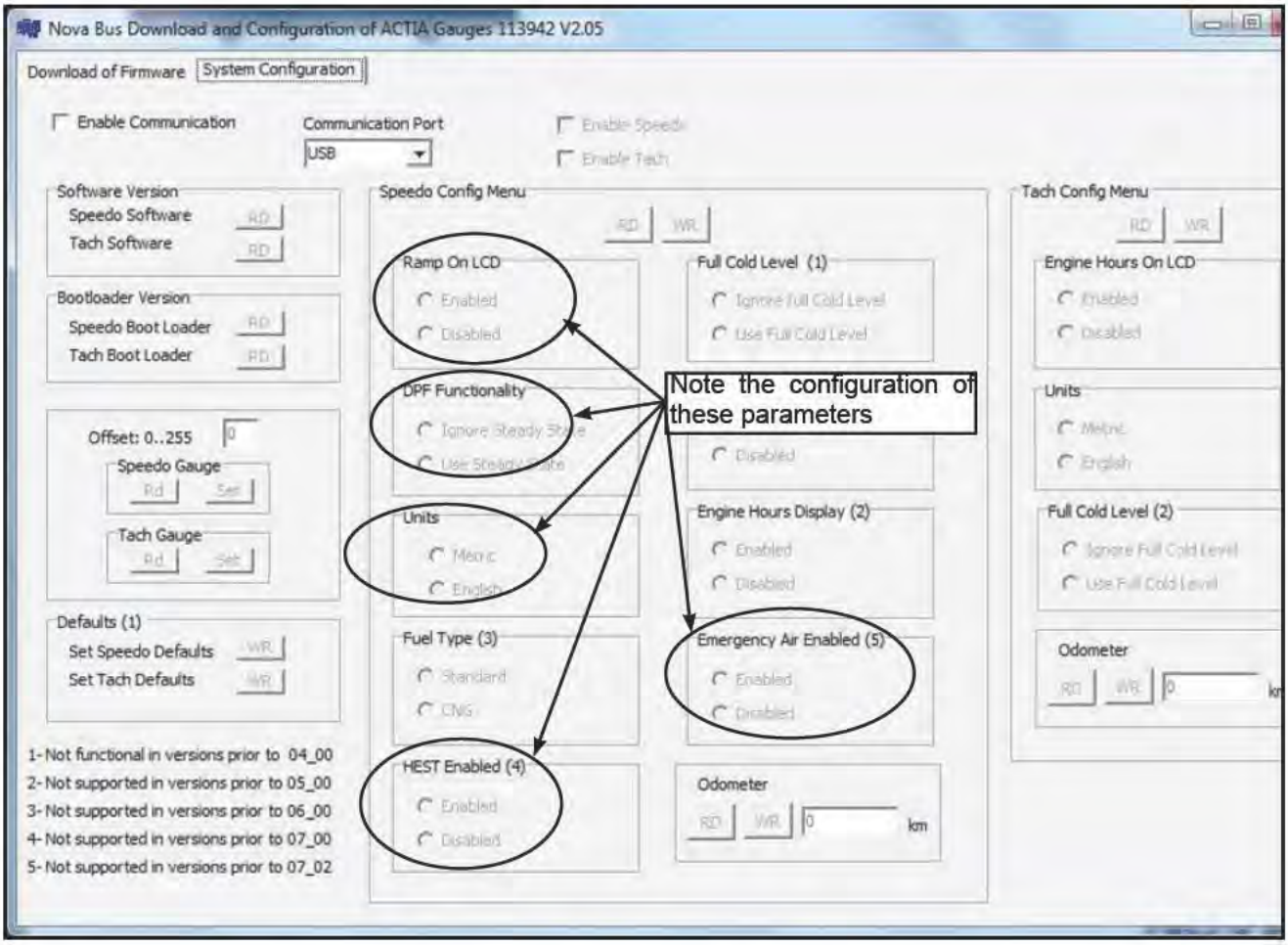


*Figure 13 - Note the Configuration*

3.1.6 In the Download of Firmware tab, select the appropriate communication port from the drop-down list (see Figure 14).

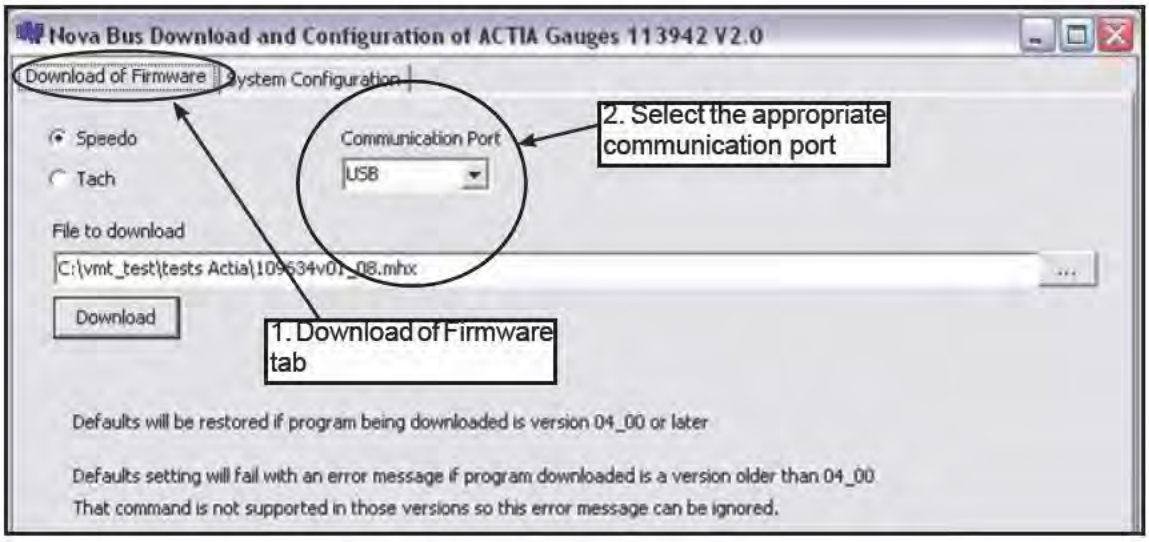


*Figure 14 - Select the Appropriate Communication Port*

3.1.7 Select the required gauge (see Figure 15).

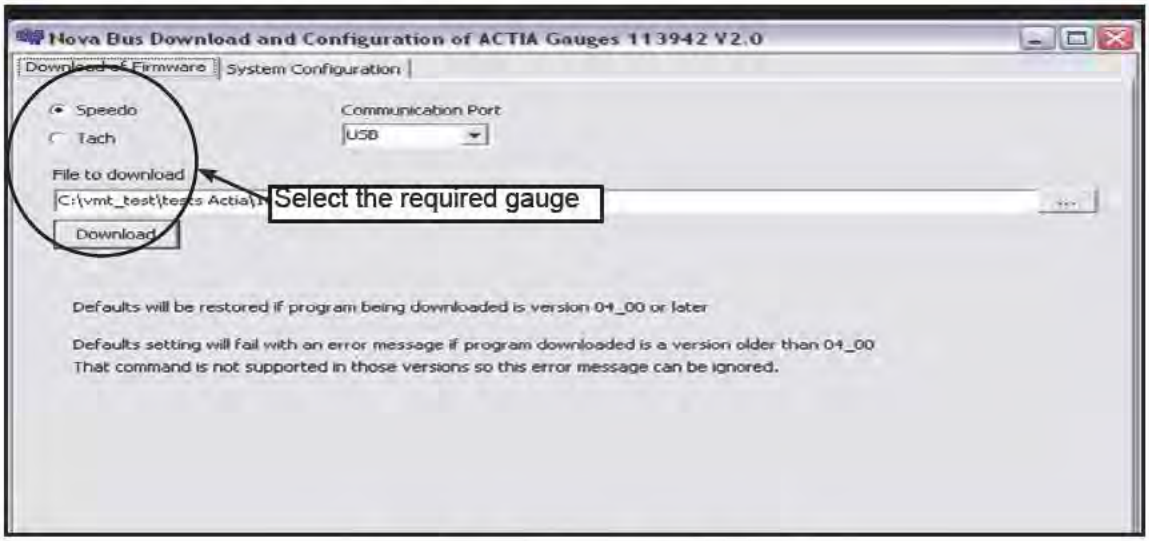


*Figure 15 - Select the Required Gauge*

3.1.8 Use the Browse button to select the right program for the gauge being reprogrammed (see Figure 16).

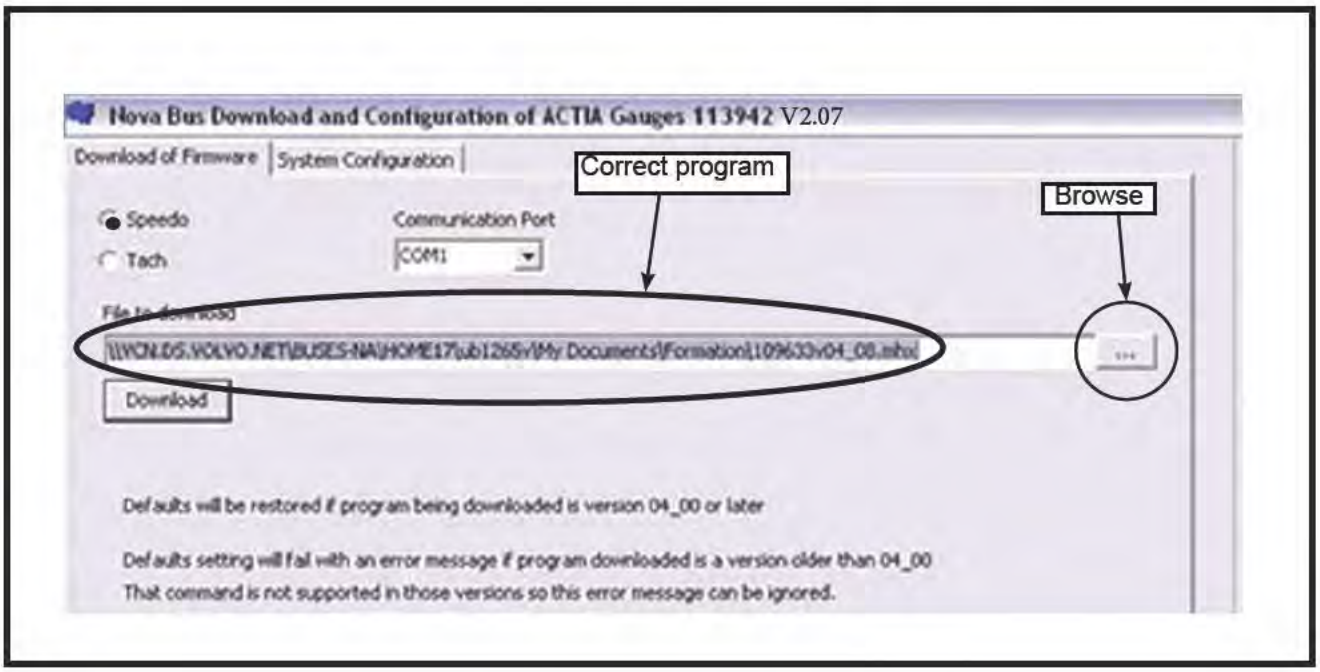


*Figure 16 - Select the File to Download*

3.1.9 Click the Download button (see Figure 17).

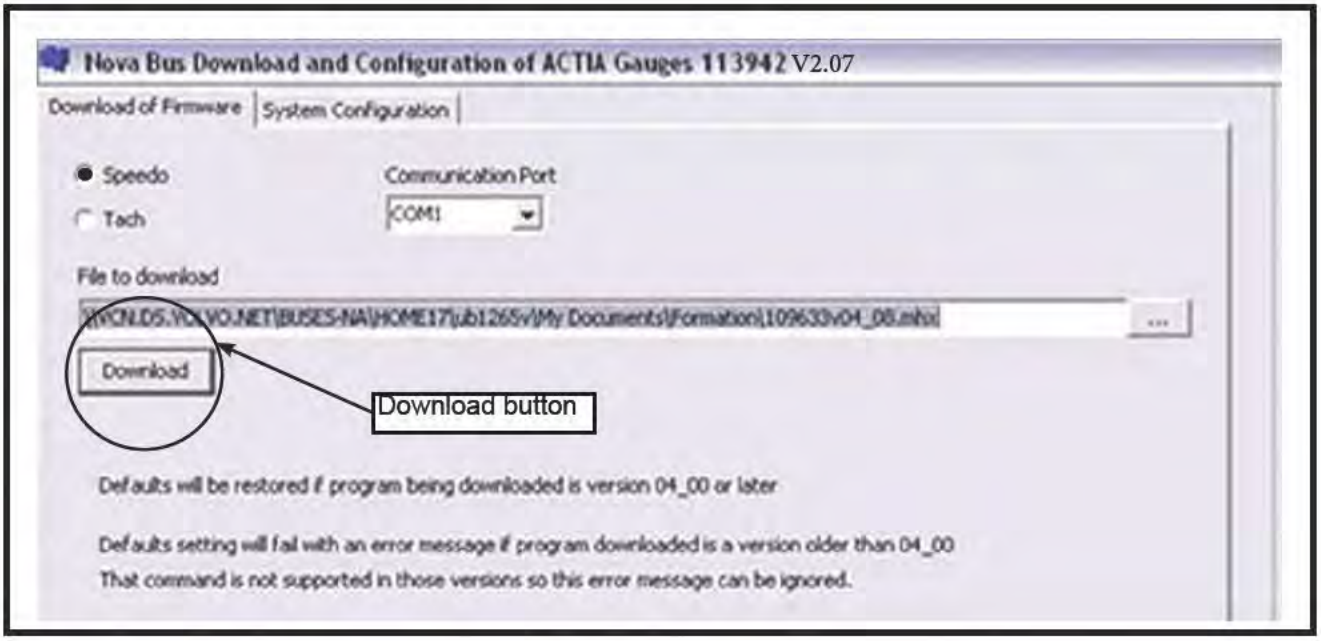


*Figure 17 - Download the Program*

3.1.10 A download progress window is displayed. A new window opens once the download process is complete (see Figure 18).

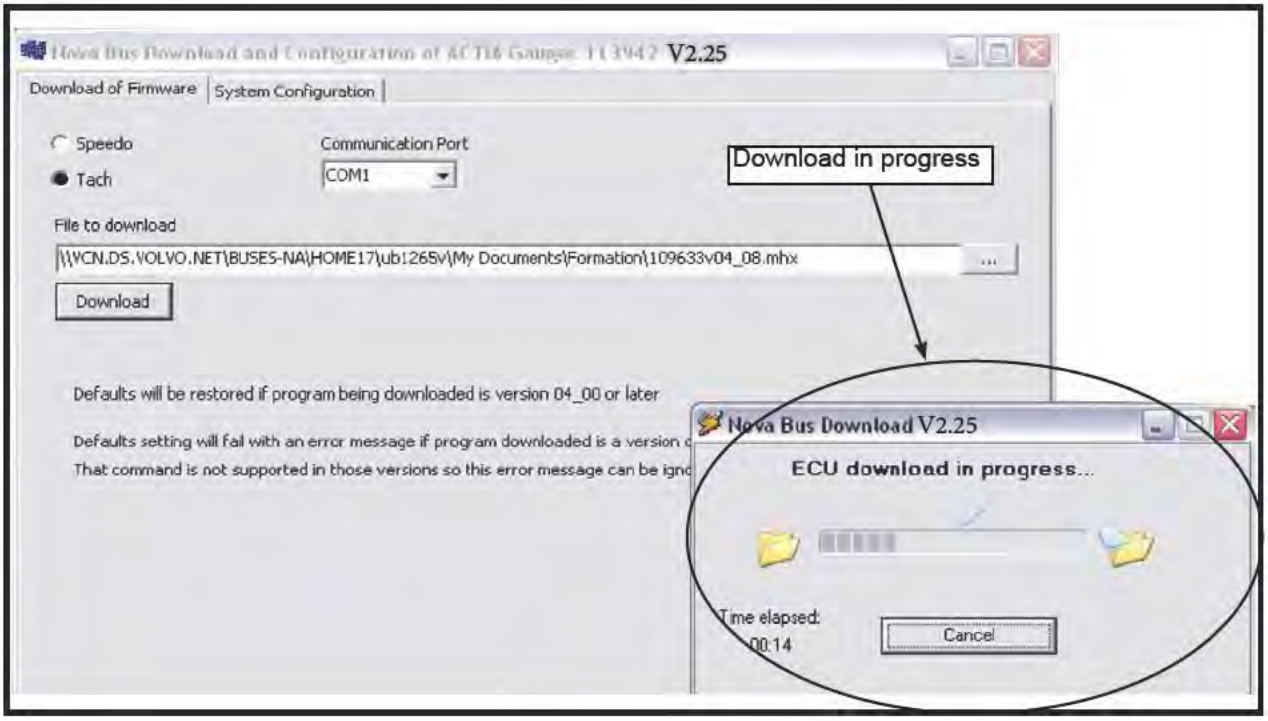


*Figure 18 - Program Download*

3.1.11 In the System Configuration tab, select the appropriate communication port from the drop-down list (see Figure 19).


*Figure 19 - Select the Appropriate Communication Port*

3.1.12 Check the Enable Communication box (see Figure 20).

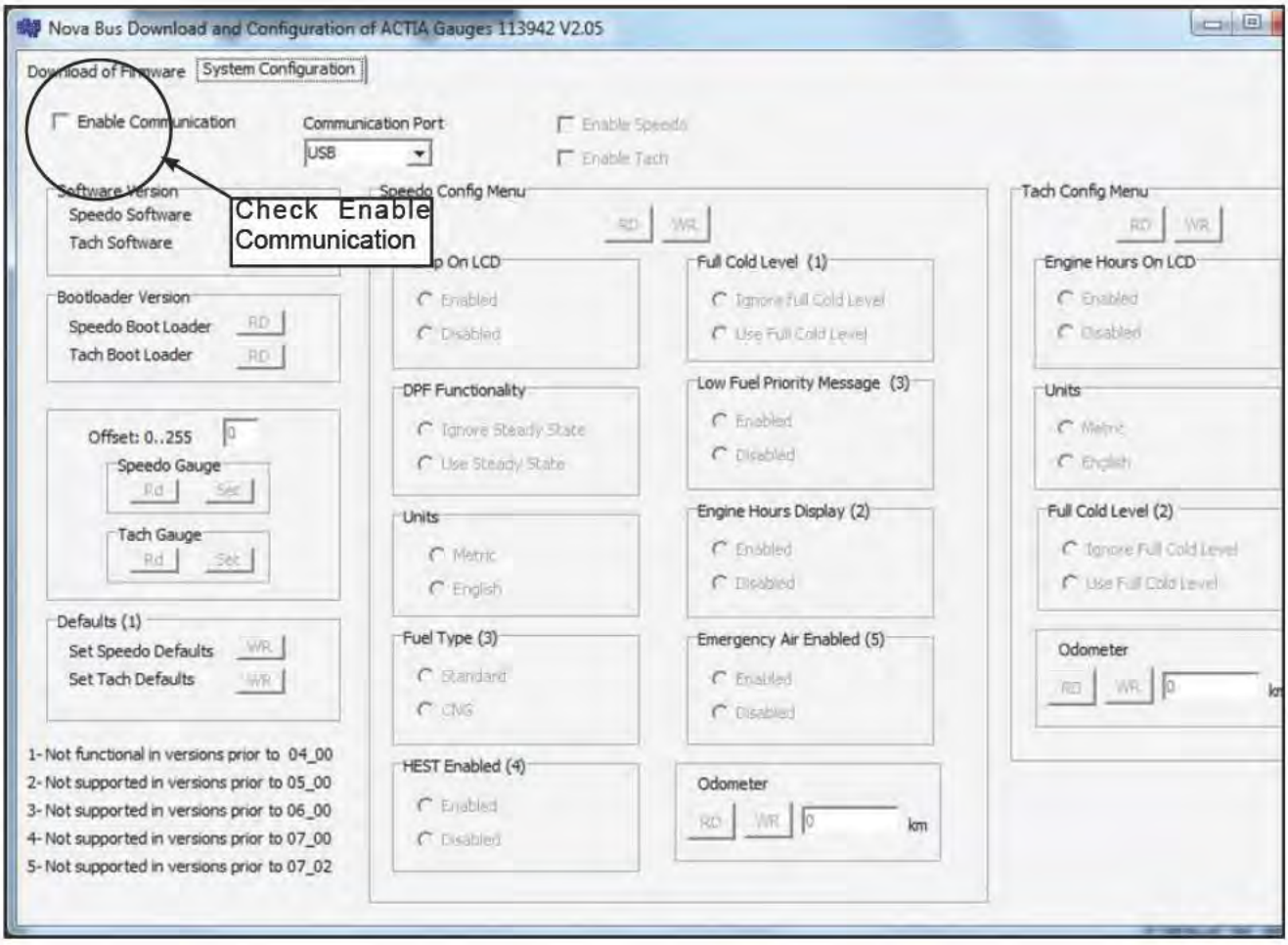


*Figure 20 - Enable Communication*

3.1.13 Check the Enable Speedo box (see Figure 21).

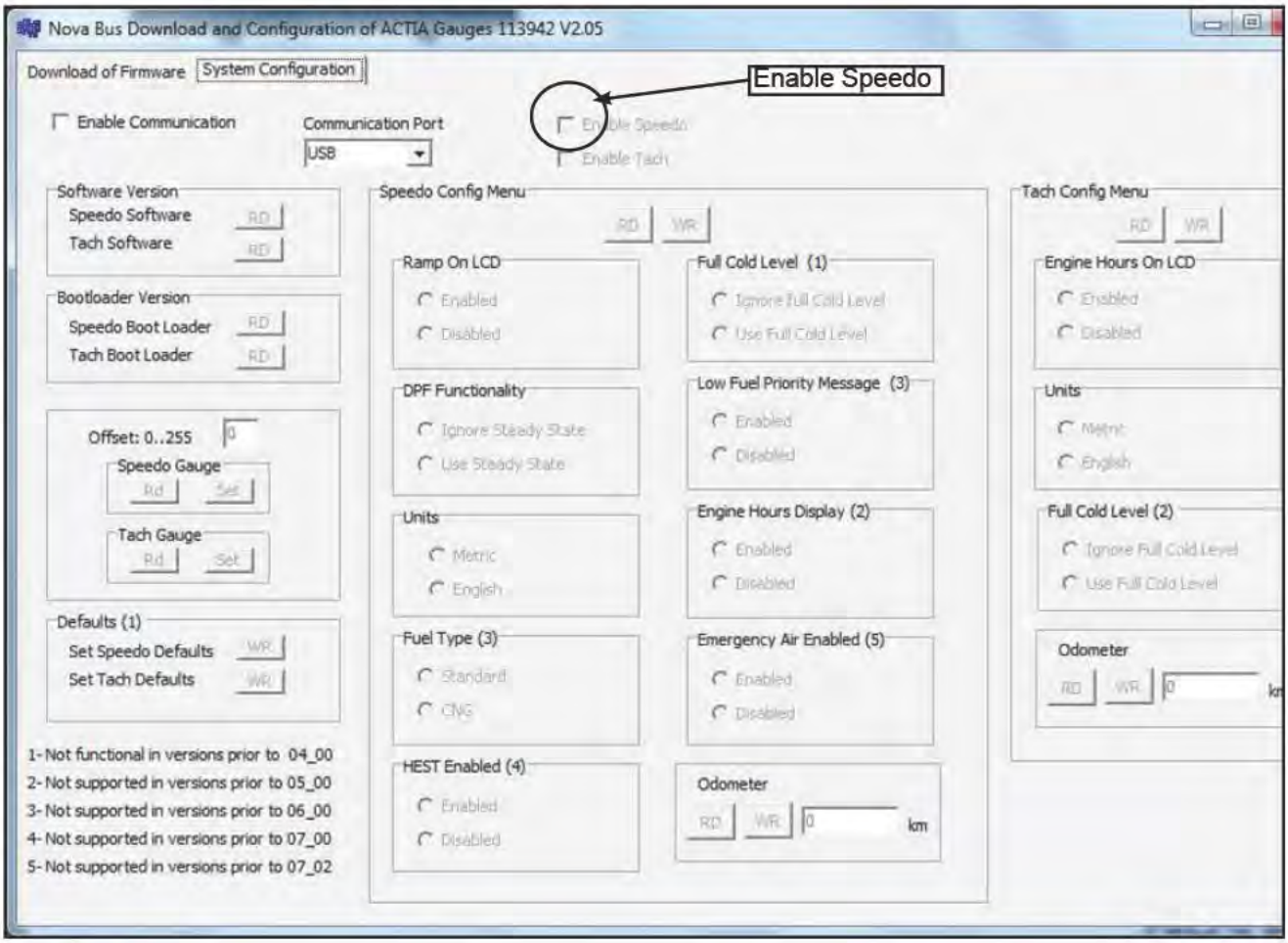


*Figure 21 - Enable Speedometer*

3.1.14 Click the Read (RD) button in the Speedo Config Menu to display the configuration of parameters (see Figure 22).

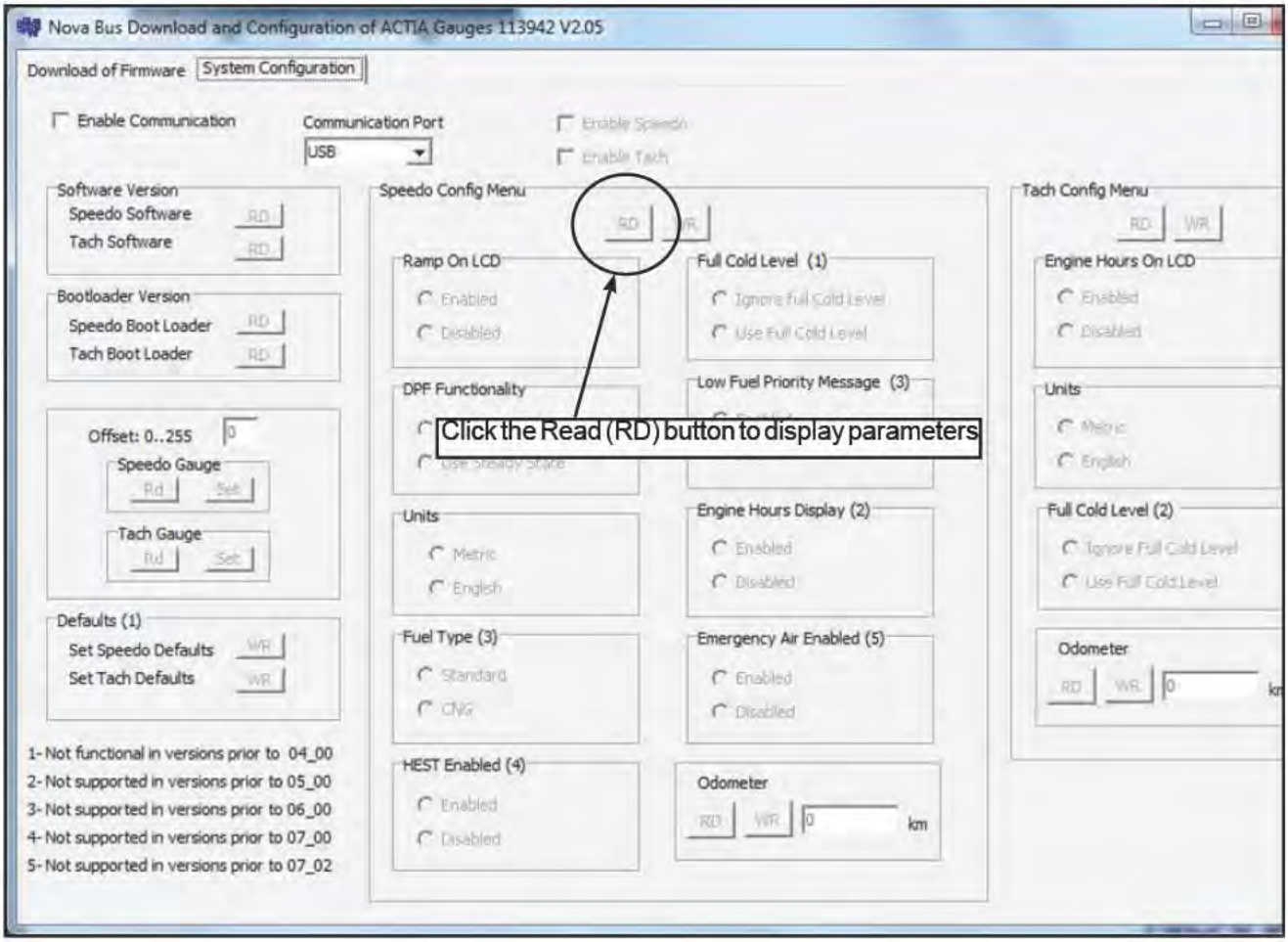


*Figure 22 - Click the Read (RD) Button*

3.1.15 Check that the software version is correct per the table on page 2. Check whether the Ramp On LCD, DPF Functionality, Units, HEST Enabled, and Emergency Air Enabled parameters are the same as in step 3.1.5. If the configuration remains the same, skip to the next step. If the configuration is different, make the necessary changes then click (WR) to save (see Figure 23).

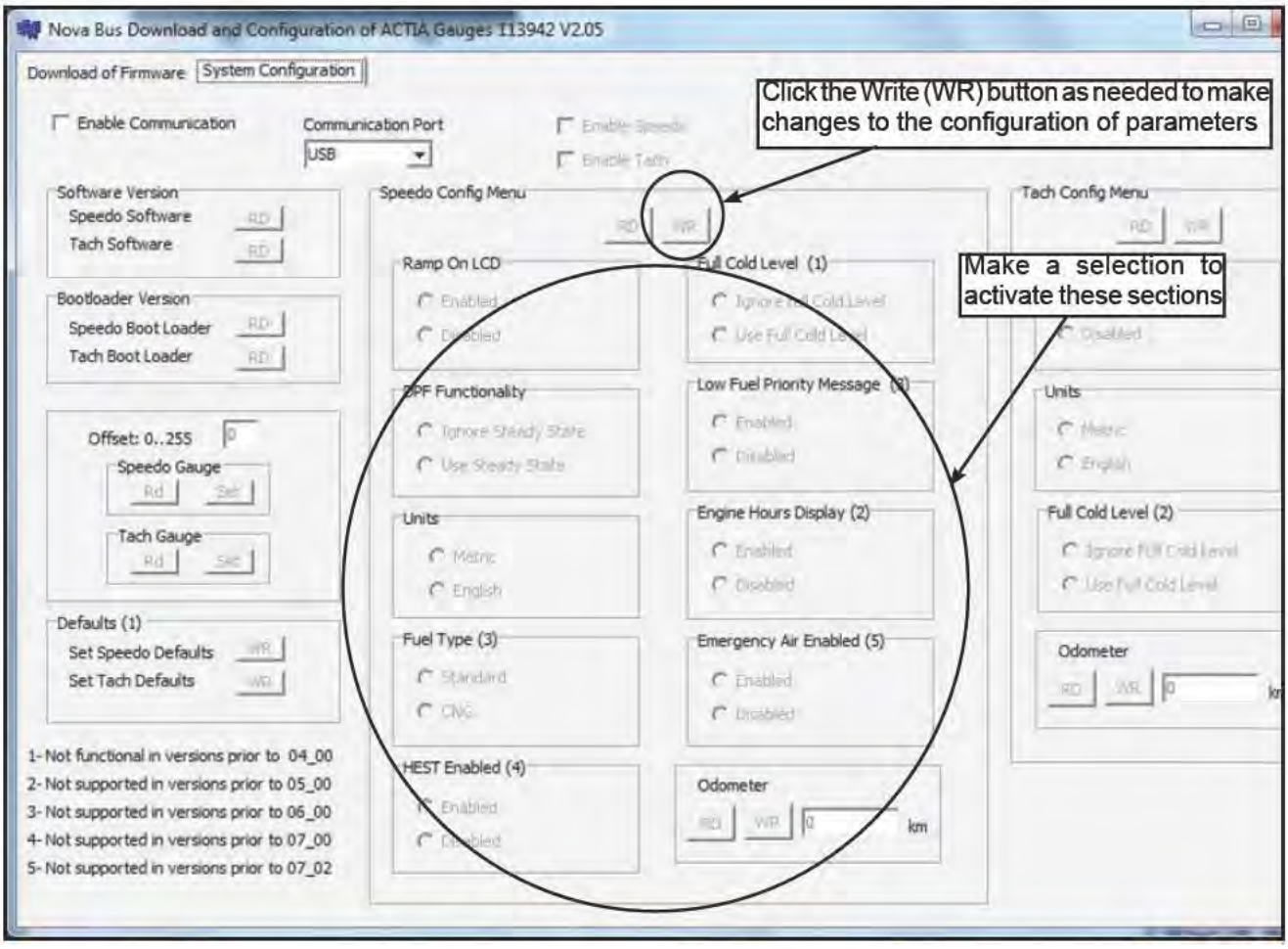


*Figure 23 - Adjusting Speedometer Parameters*

3.1.16 Adjust the needle zero as needed.

Step 1: Check Enable Communication.
Step 2: Click RD and note the value displayed in the offset box.
Step 3: If the speedometer needle position is above zero, enter a new value lower than the one dis played in the offset box, e.g. if the value shown is 50, enter 40 in the offset box.
Step 4: Click Set.
Step 5: Repeat steps 1-3 until the needle is correctly positioned at zero (see Figure 24).

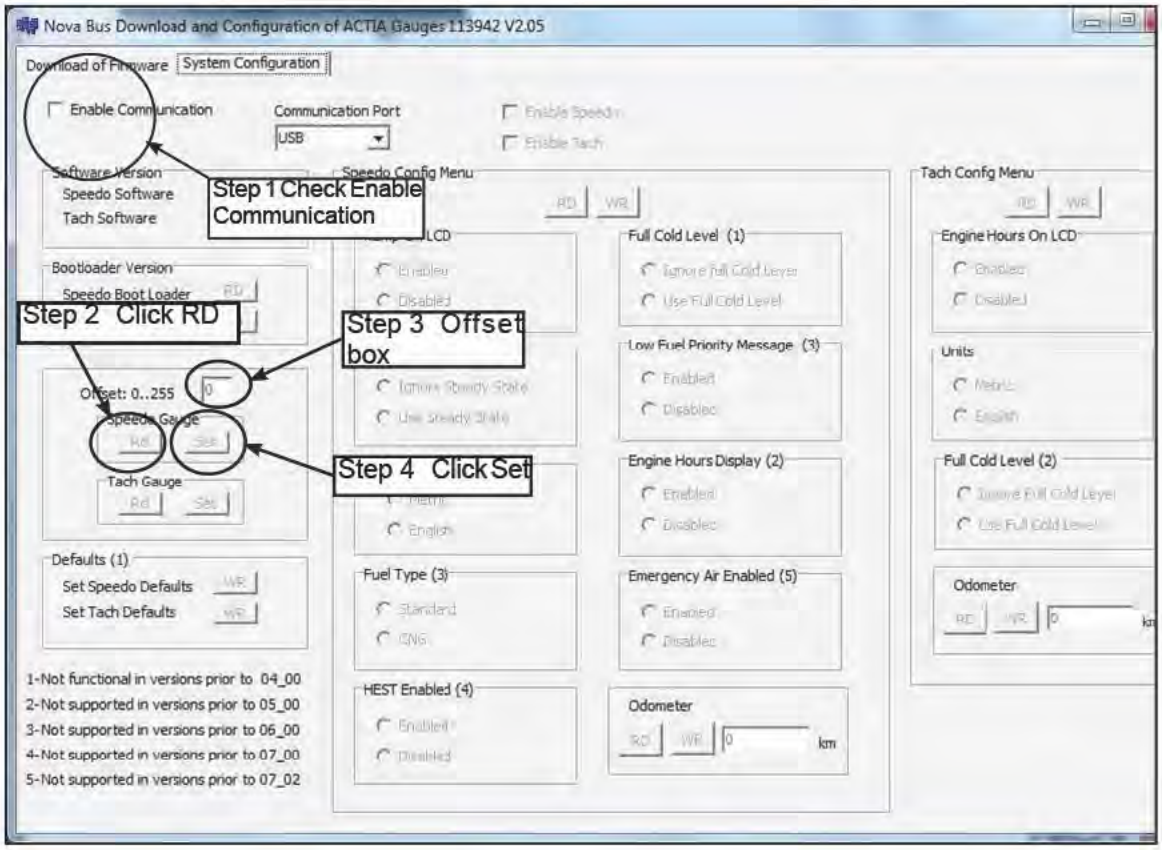


*Figure 24 - Adjusting Needle to Zero*

# SPEEDOMETER PROCEDURE

## 2013 ENGINES AND LATER

**NOTE**

Before following the Actia gauge programming procedure, set the Master Control Switch on the operator's control panel to OFF. In the battery compartment, turn the Battery Disconnect Switch OFF, then back ON. On the operator's control panel, turn the hazard lights switch ON and leave it on until programming of the Actia gauges is complete.

3.1.17 In the Download of Firmware tab, select the appropriate communication port from the drop-down list (see Figure 25).

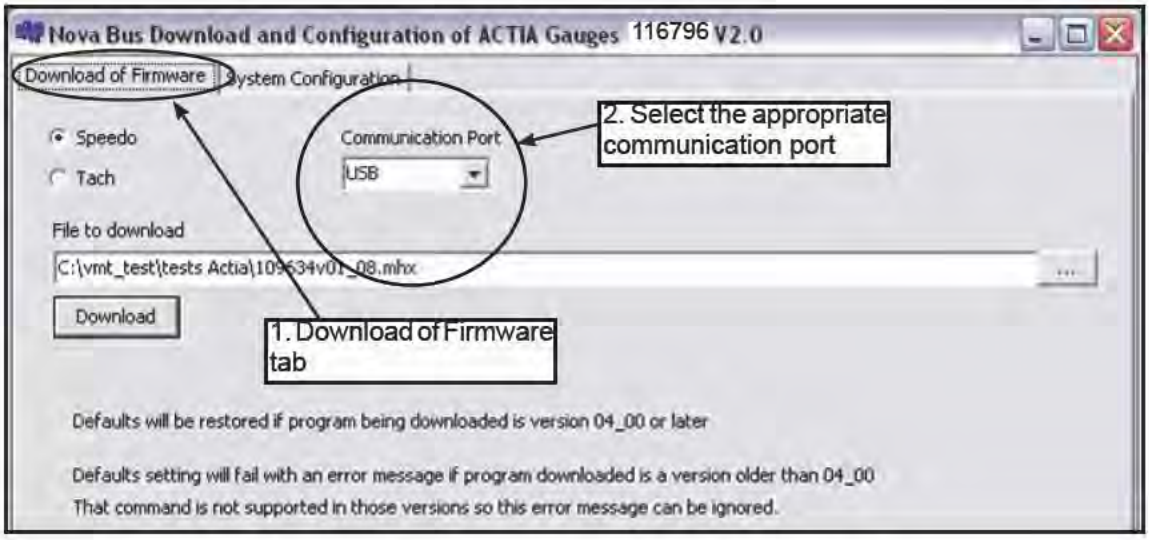


*Figure 25 - Select the Appropriate Communication Port*

3.1.18 Select the required gauge (see Figure 26).

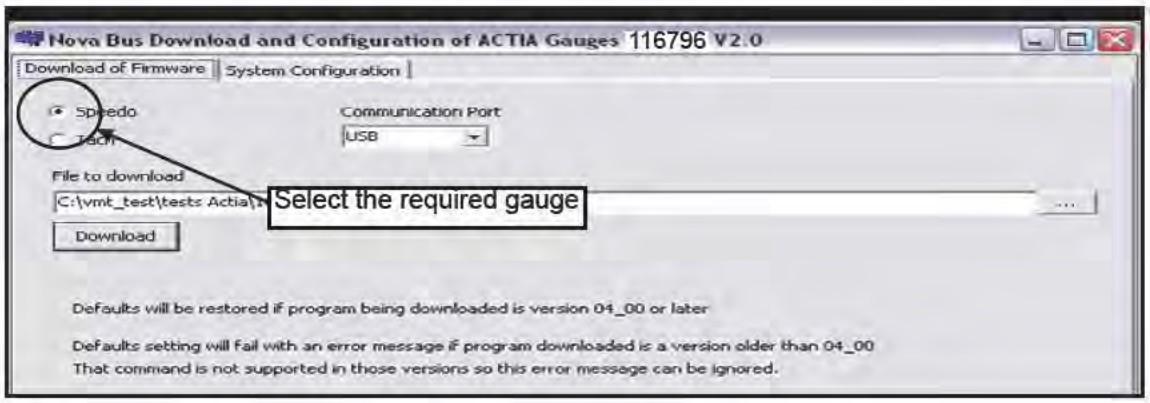


*Figure 26 - Select the Required Gauge*

3.1.19 Use the Browse button to select the right program for the gauge being reprogrammed (see Figure 27).

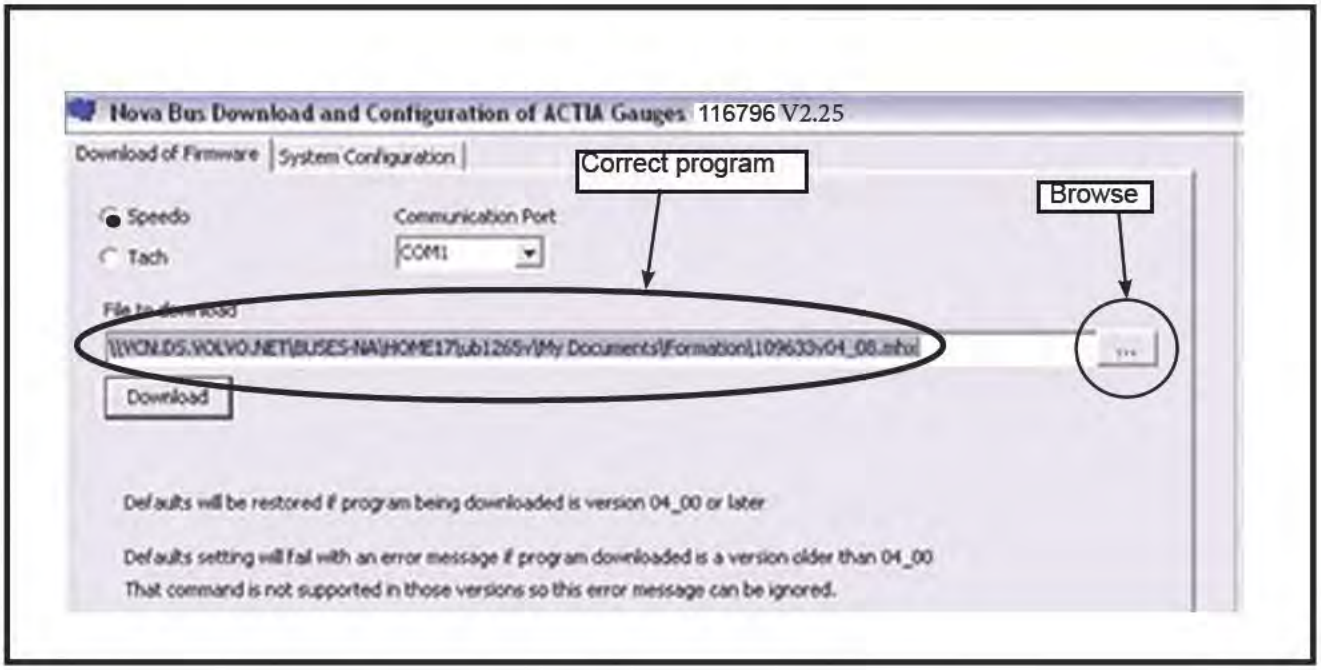


*Figure 27 - Select the File to Download*

3.1.20 Click the Download button (see Figure 28).


*Figure 28 - Download the Program*

3.1.21 A download progress window is displayed. A new window opens once the download process is complete (see Figure 29).

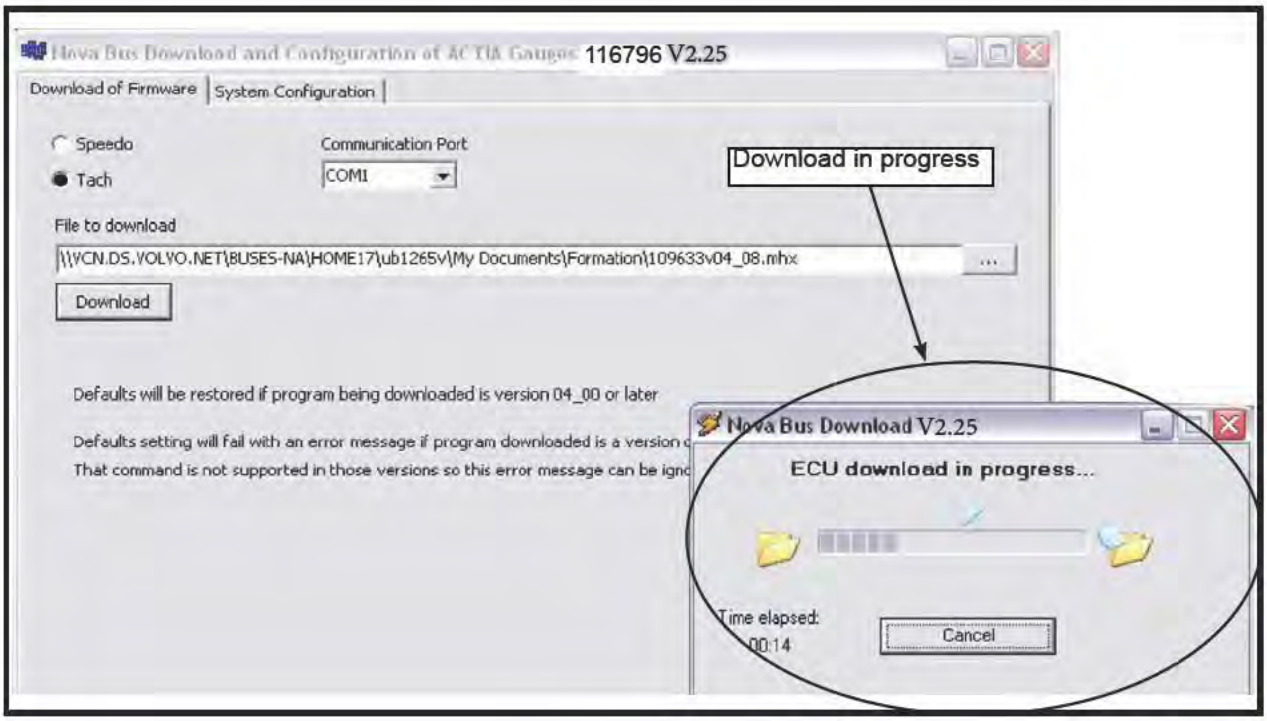


*Figure 29 - Program Download*

3.1.22 In the System Configuration tab, select the appropriate communication port from the drop-down list (see Figure 30).

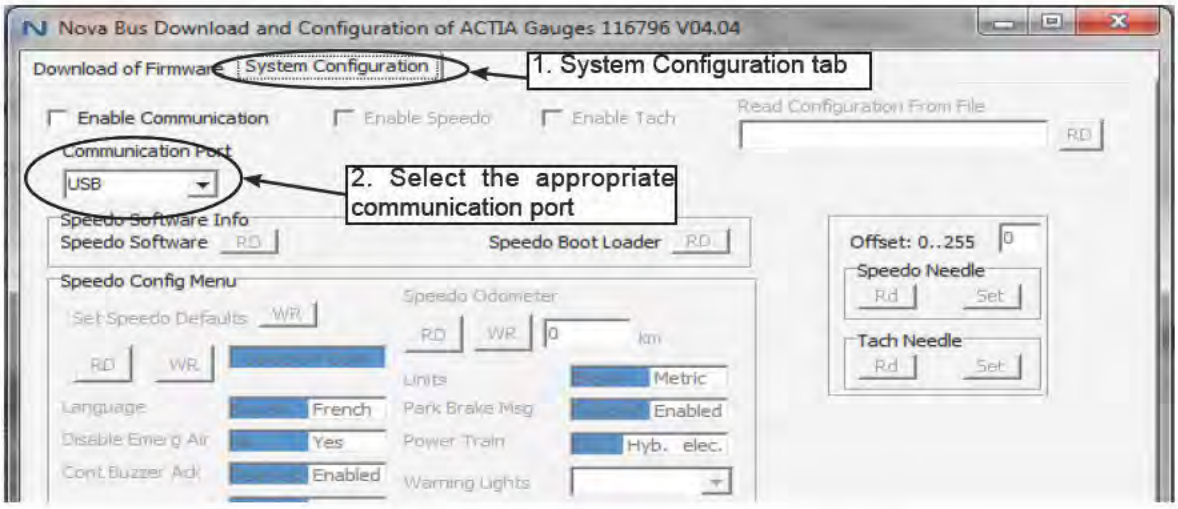


*Figure 30 - Select the Appropriate Communication Port*

**WARNING**

To check on the program download status, use the RD button in the Speedo Config Menu; make sure not to use the WR button, as this would cause the speedometer to return to its previously set values.

3.1.23 In step 5, use the RD button in the Read Configuration From File section to browse to the correct file. Select SCP_LXXX_Rev_Y.txt, where LXXX is the bus lot number. Click OK to start the automatic file download (see Figure 31).

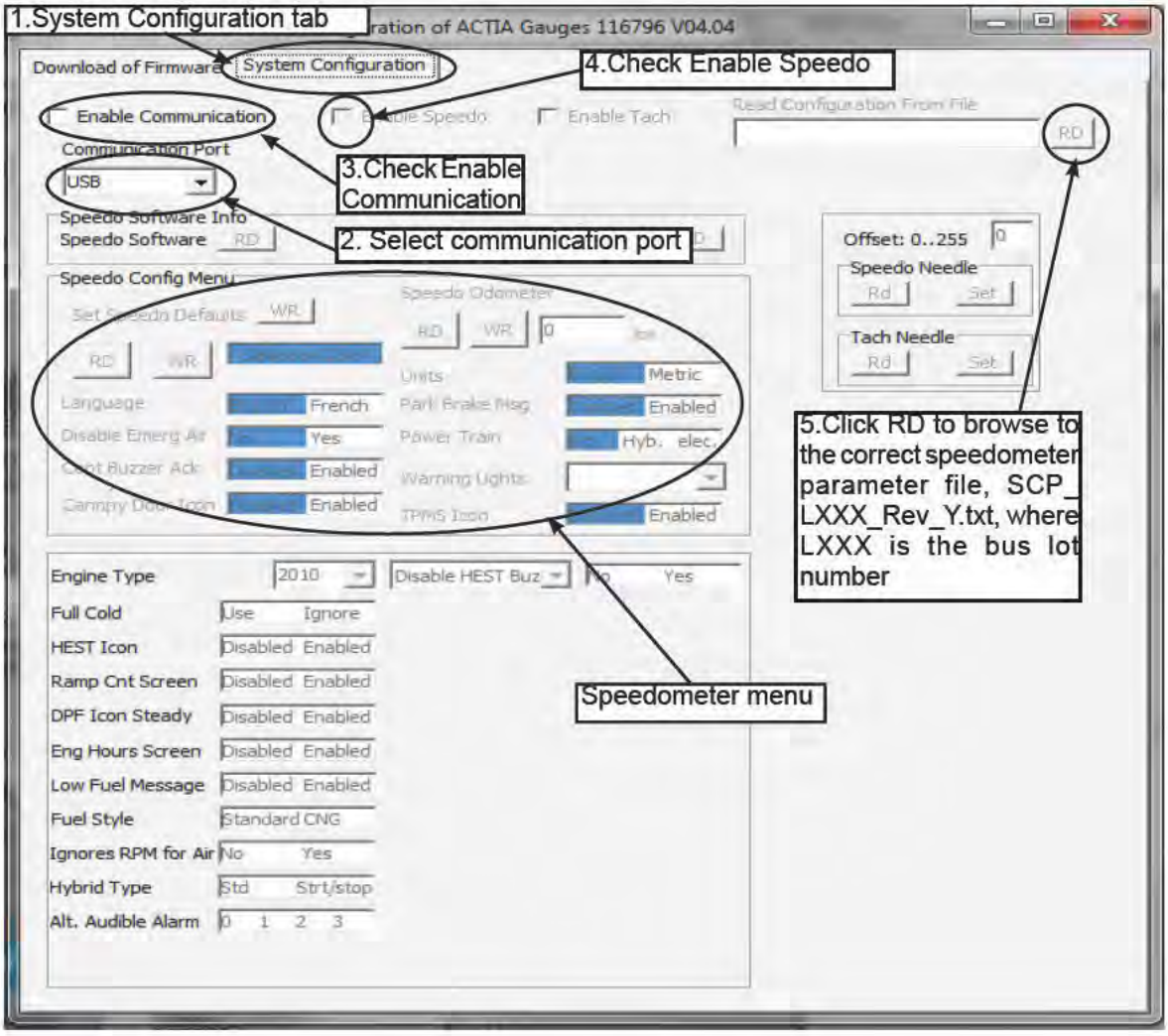


*Figure 31 - Speedometer Adjustments*

3.1.24 Adjust the needle zero as needed.

Step 1: Click RD and note the value displayed in the offset box.
Step 2: Click RD and note the value displayed in the offset box.
Step 3: Click Set.
Step 4: Repeat steps 1-3 until the needle is correctly positioned at zero (see Figure 32).

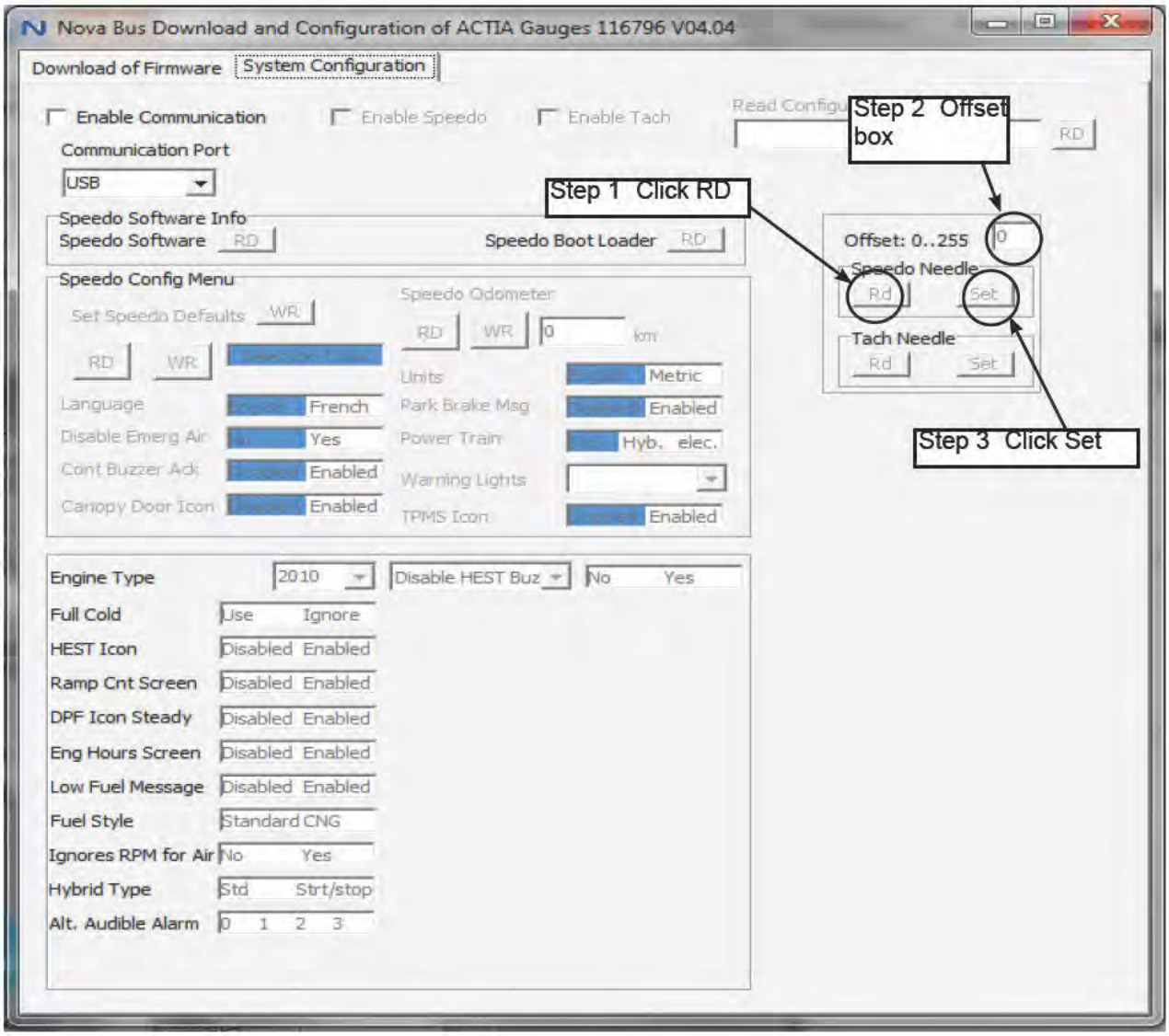


*Figure 32 - Adjusting Needle to Zero*

# TACHOMETER PROCEDURE

## 2005-2012 ENGINES

4.1.1 Througout the entire download procedure, the MASTER CONTROL SWITCH must be in the OFF position and the engine start switch, set the engine compartment switch to rear mode. Follow the steps in Figure 33. Note the configuration of tachometer parameters. This configuration will be required in step 4.1.5 (see Figure 33).

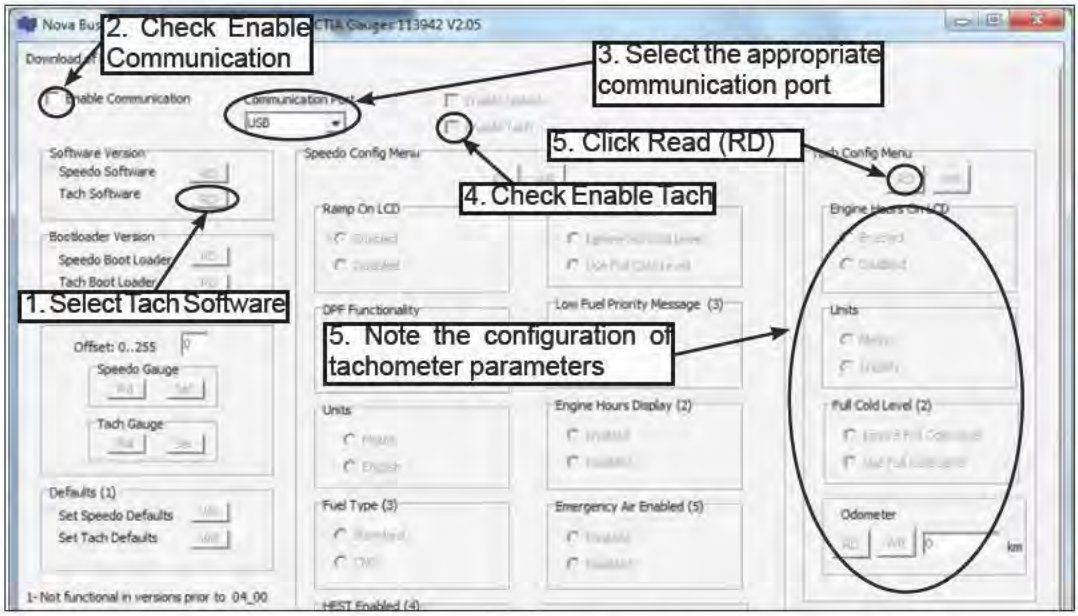


*Figure 33 - Tachometer Menu Screen*

4.1.2 Follow the steps in Figure 34 to select the right program for the gauge being reprogrammed (see Figure 34).

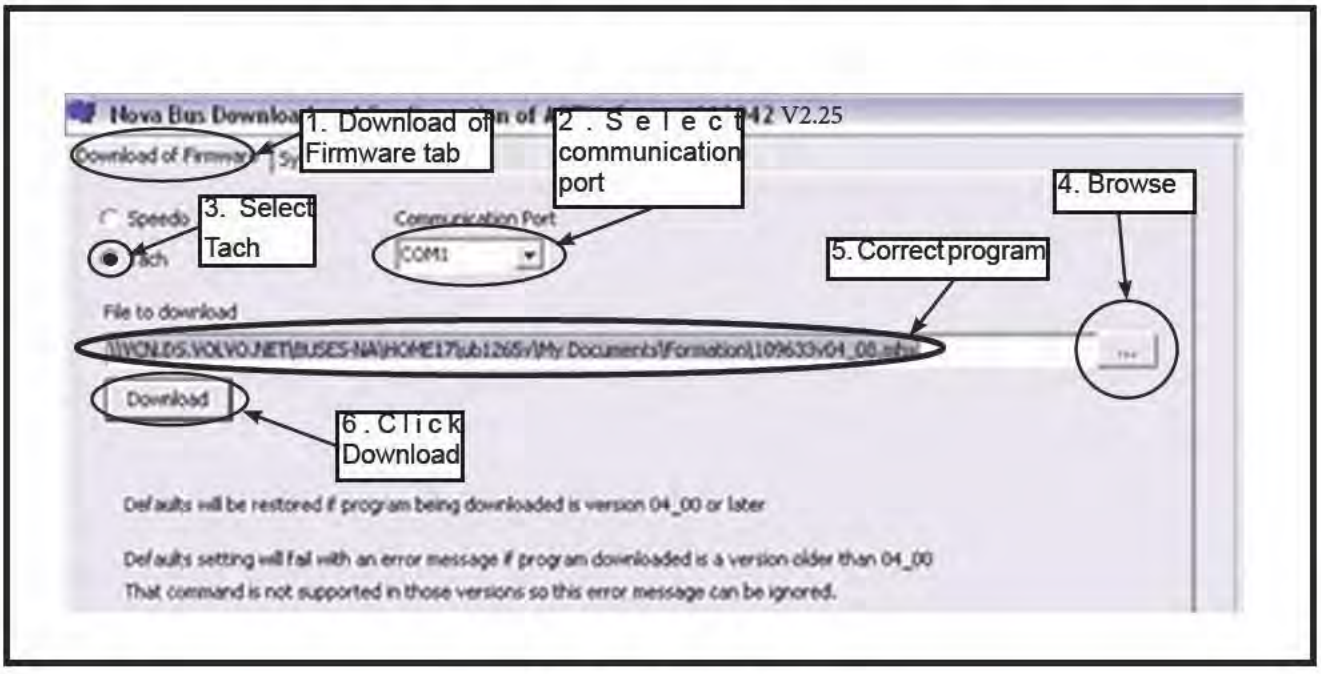


*Figure 34 - Select the File to Download*

4.1.3 A download progress window is displayed. A new window opens once the download process is complete (see Figure 35).

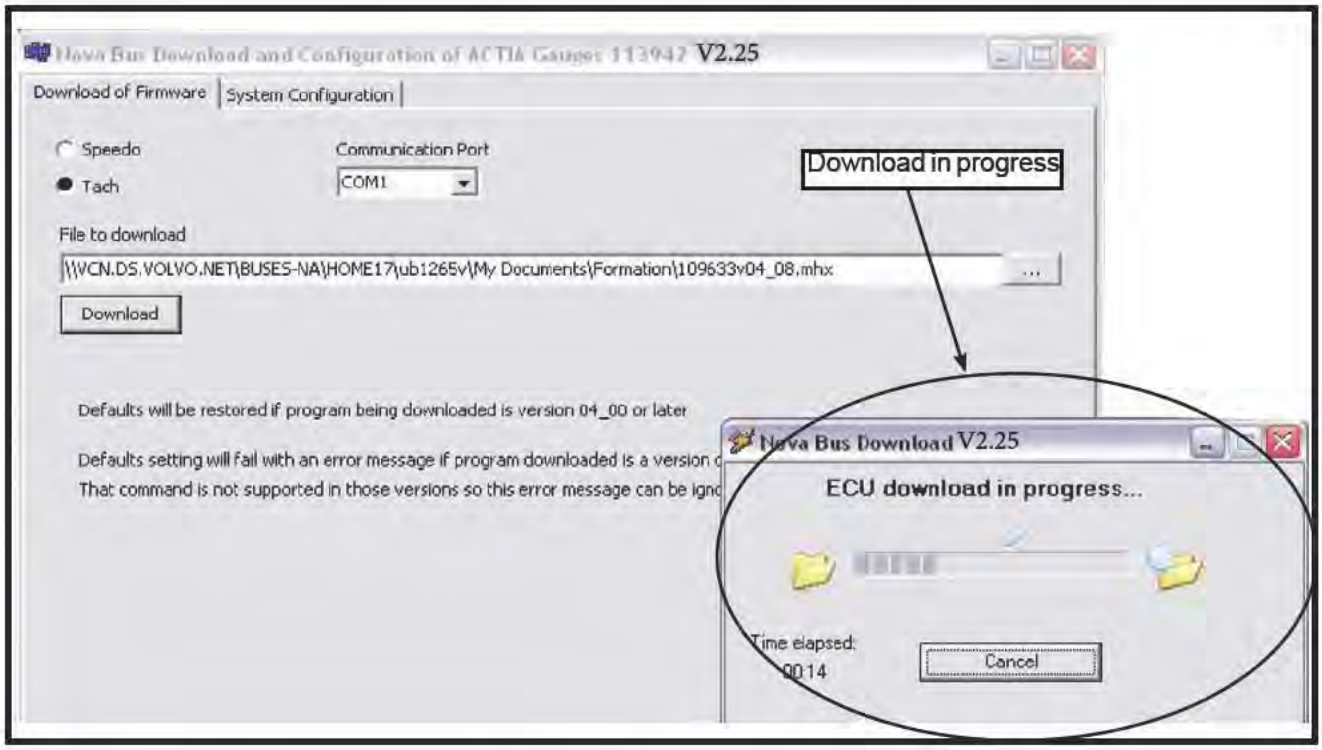


*Figure 35 - Program Download*

4.1.4 Use the Tach Config menu to check tachometer parameters and make the required adjustments. Check that the configuration of parameters is the same as in step 4.1.1. If the configuration remains the same, skip to the next step. If the configuration is different, make changes as necessary and click WR to save (see Figure 36).

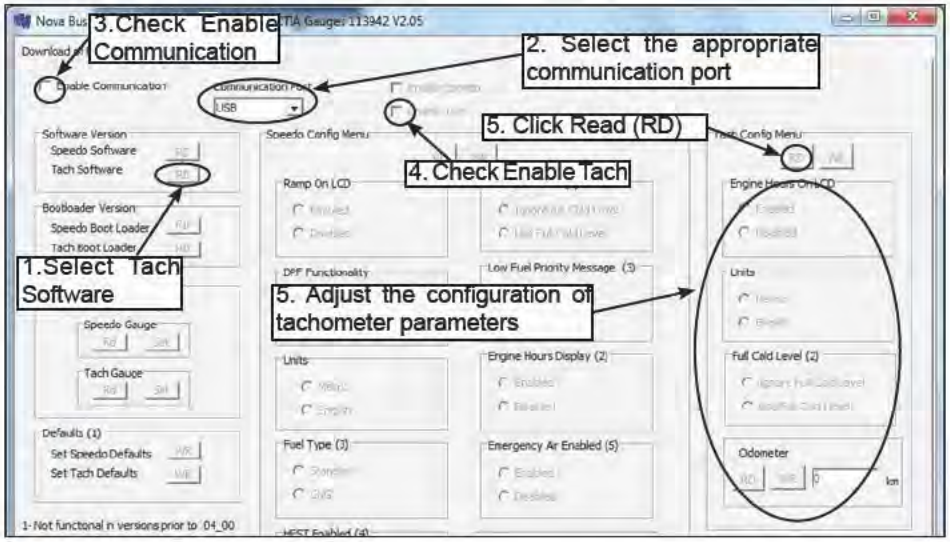


*Figure 36 - Adjusting Tachometer Parameters*

## 2013 ENGINES AND LATER

4.1.5 Througout the entire download procedure, the MASTER CONTROL SWITCH must be in the OFF position and the engine start switch, set the engine compartment switch to rear mode. Follow the steps in Figure 37 to reprogram the tachometer gauge (see Figure 37).

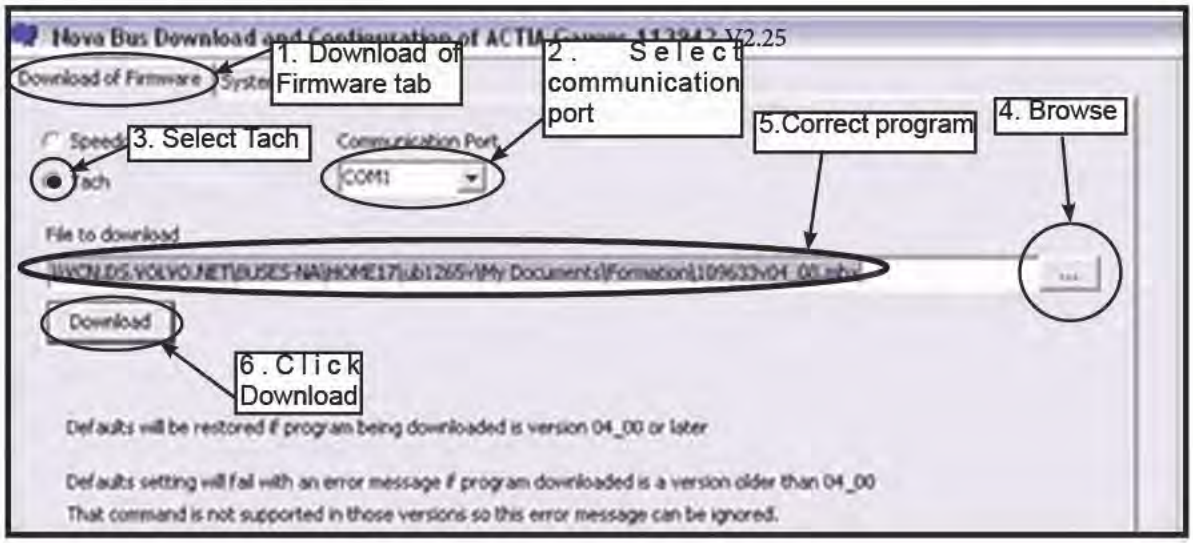


*Figure 37 - Select the File to Download*

4.1.6 A download progress window is displayed. A new window opens once the download process is complete (see Figure 38).

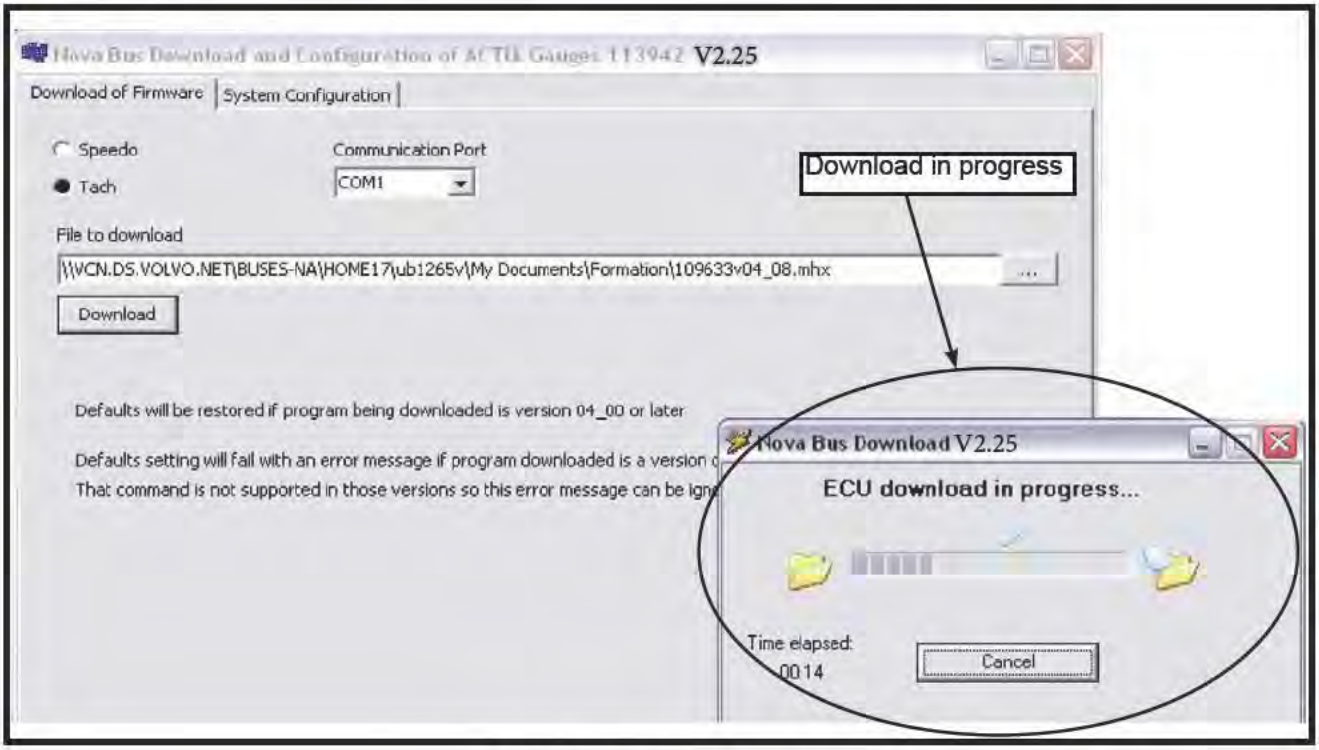


*Figure 38 - Program Download*

**WARNING**

To check on the program download status, use the RD button in the Tach Config Menu; make sure not to use the WR button, as this would cause the tachometer to return to its previously set values.

4.1.7 In step 5, use the RD button in the Read Configuration From File section to browse to the correct file. Select TCP_LXXX_Rev_Y.txt, where LXXX is the bus lot number. Click OK to start the automatic file download (see Figure 39).

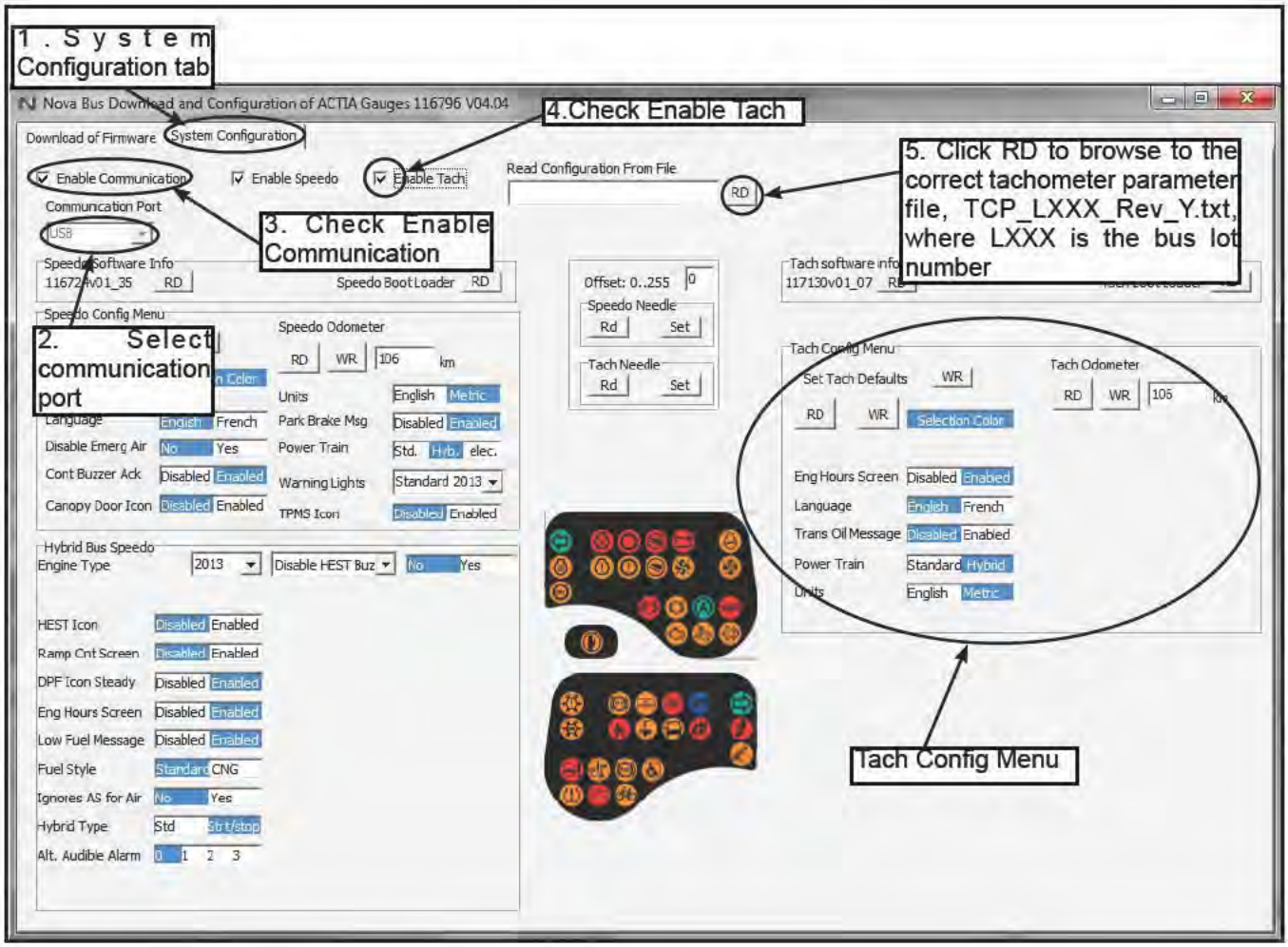


*Figure 39 - Tachometer Adjustments*

4.1.8 Close software and computer.
4.1.9 Disconnect cable.
4.2.0 Close the left overhead console panel.
4.2.1 Start the vehicle and conduct operational test before returning vehicle in service.

❖