| | |
|---|---|
| **REFERENCE:** | Nova Bus Manuals |
| **SECTION:** | 16: Batteries |
| **RS Nº:** | MQR 7621-2476 |
| **EFFECTIVE IN PROD.:** | N/A |

**APPLICATION DEADLINE:** 2023AU30
CLAIM REFERENCE NUMBER: WB-5291

| | |
|---|---|
| **SUBJECT:** | Batteries temperature sensors |
| **JUSTIFICATION:** | Some batteries temperature sensor may have an too high internal resistance and give an erroneous battery temparature reading causing F202 light battery to turn On, on dashboard |

| LEVEL | DESCRIPTION | DIRECT CHARGES | | TIME |
|---|---|---|---|---|
| | | LABOUR | MATERIAL | |
| 1 | Inspect connection and torque value of the batteries temperature sensors. Disconnect the temperature sensor an take resistance measurement. | Nova Bus | – | 15 min |
| 2 | Replace the batterie temperature sensor if the reading is higher than 1K Ohms replace the temperature sensor | Nova Bus | Nova Bus | 6 min |

## MATERIAL REQUIRED PER VEHICLE

| QTY | PART Nº | REV. | DESCRIPTION |
|---|---|---|---|
| **LEVEL 1** | | | |
| – | – | – | – |
| **LEVEL 2** | | | |
| 1 | N92896 | – | Batteries temperature sensor |

Materials will be available within 32 days once your order has been placed.
To order, please contact novabus.parts@volvo.com
Or by phone for CANADA 1-800-771-6682, for USA 1-877-999-8808
Specify document number, quantity of parts required and shipping address.

## DISPOSAL OF PARTS

| REMOVED PARTS ARE: | DISCARDED | RETAINED * | * To be reimbursed, the parts must be retained and returned in accordance with the usual warranty procedure.Yes |
|---|---|---|---|
| | – | Yes | |

## REVISION HISTORY

| REV. | DATE | CHANGE DESCRIPTION | WRITTEN BY |
|---|---|---|---|
| NR | 2022JL28 | Initial release | Luc Carignan |

**APPROVED BY:**

Jean-Nicolas Fournier

Digitally signed by Jean-Nicolas Fournier
DN: cn=Jean-Nicolas Fournier, o=Nova Bus, email=jean-nicolas.fournier@volvo.com, c=CA
Date: 2022.08.02 07:54:03 -04'00'



NQF772004 VERSION 3

| CLIENT | ORDER | ROAD NUMBER | | VIN (2NVY/4RKY...) | | QTY |
|---|---|---|---|---|---|---|
| | | FROM | TO | FROM | TO | |
| New York City Transit New York - NYCT | LC79 | 9624 | 9637 | L82L3M9777783 | L82L1M9777796 | 14 |
| New York City Transit New York - NYCT | LC79 | 9639 | 9703 | L82L5M9777798 | L82LXM9777862 | 65 |
| New York City Transit New York - NYCT | LC79 | 9704 | 9784 | L82L1M9777863 | L82L4M9777954 | 81 |
| New York City Transit New York - NYCT | LD64 | 9785 | 9787 | L82L0M9777871 | L82L8M9777956 | 3 |
| New York City Transit New York - NYCT | LD64 | 9789 | 9789 | L82L1M9777958 | L82L1M9777958 | 1 |
| New York City Transit New York - NYCT | LD64 | 9791 | 9798 | L82L0M9777966 | L82L8M9777973 | 8 |
| New York City Transit New York - NYCT | LD64 | 9800 | 9805 | L82L1M9777975 | L82L5M9777980 | 6 |
| New York City Transit New York - NYCT | LD64 | 9806 | 9806 | L82L7M9777981 | L82L7M9777981 | 1 |
| New York City Transit New York - NYCT | LD64 | 9807 | 9808 | L82LXM9777988 | L82L1M9777989 | 2 |
| New York City Transit New York - NYCT | LD64 | 9810 | 9811 | L82LXM9777991 | L82L1M9777992 | 2 |
| New York City Transit New York - NYCT | LD64 | 9812 | 9812 | L82L3M9777993 | L82L3M9777993 | 1 |
| New York City Transit New York - NYCT | LD64 | 9813 | 9823 | L82L5M9777994 | L82L8M9778010 | 11 |
| New York City Transit New York - NYCT | LD64 | 9825 | 9826 | L82L1M9778012 | L82L3M9778013 | 2 |
| New York City Transit New York - NYCT | LD64 | 9828 | 9828 | L82L7M9778015 | L82L7M9778015 | 1 |
| New York City Transit New York - NYCT | LD64 | 9829 | 9832 | L82L4M9778022 | L82LXM9778025 | 4 |
| New York City Transit New York - NYCT | LD64 | 9833 | 9834 | L82L1M9778026 | L82L3M9778027 | 2 |
| New York City Transit New York - NYCT | LD64 | 9836 | 9842 | L82L7M9778029 | L82L8M9778041 | 7 |
| New York City Transit New York - NYCT | LD64 | 9844 | 9844 | L82L1M9778043 | L82L1M9778043 | 1 |
| New York City Transit New York - NYCT | LD64 | 9845 | 9848 | L82L3M9778044 | L82L4M9778053 | 4 |
| New York City Transit New York - NYCT | LD64 | 9850 | 9851 | L82L8M9778055 | L82LXM9778056 | 2 |
| New York City Transit New York - NYCT | LD64 | 9854 | 9867 | L82L5M9778059 | L82L1M9778088 | 14 |
| New York City Transit New York - NYCT | LD64 | 9872 | 9872 | L82L5M9778093 | L82L5M9778093 | 1 |
| New York City Transit New York - NYCT | LD64 | 9875 | 9876 | L82L8M9778105 | L82LXM9778106 | 2 |
| New York City Transit New York - NYCT | LD64 | 9878 | 9878 | L82L3M9778108 | L82L3M9778108 | 1 |
| New York City Transit New York - NYCT | LD64 | 9880 | 9883 | L82L1M9778110 | L82L7M9778113 | 4 |
| New York City Transit New York - NYCT | LD64 | 9888 | 9889 | L82L6M9778118 | L82L8M9778119 | 2 |
| New York City Transit New York - NYCT | LD64 | 9897 | 9897 | L82L6M9778135 | L82L6M9778135 | 1 |
| New York City Transit New York - NYCT | LD64 | 9909 | 9910 | L82LXM9778154 | L82L1M9778155 | 2 |

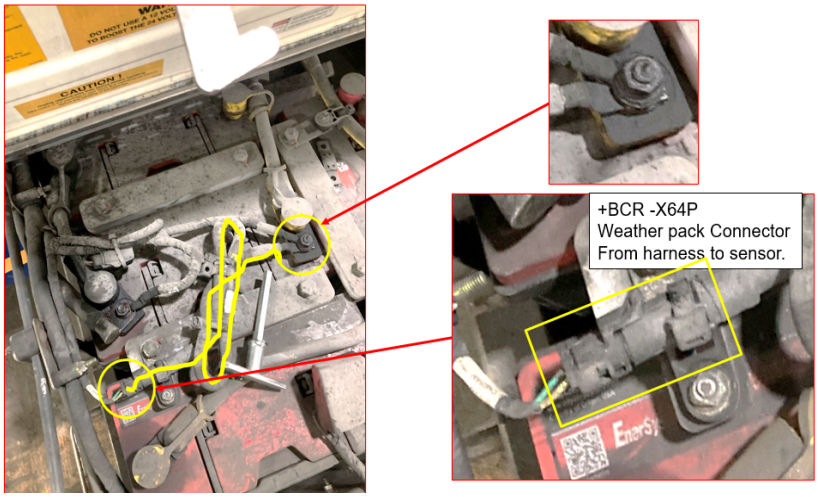
**WARNING**

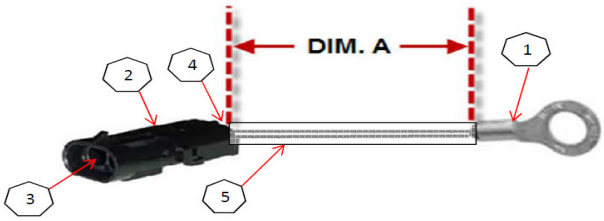
**FOLLOW YOUR INTERNAL SAFETY PROCEDURES.**

**MQR2476 [NYCT] [HEV buses]- F202-SLI Battery Temp Range Fault High**

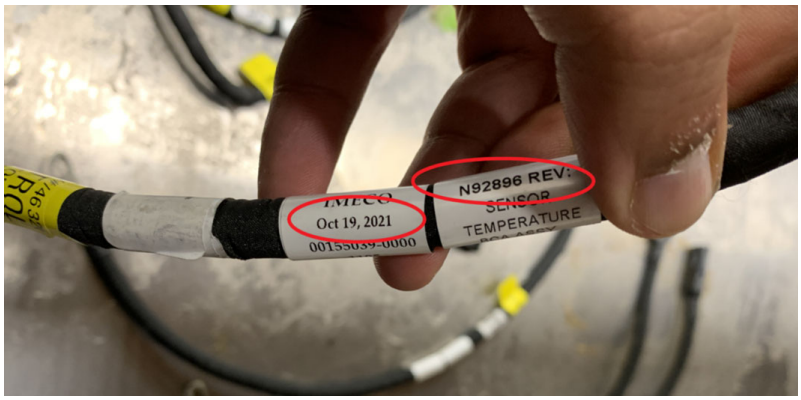
**FT-XXXX instructions**

1. Verify the connection and torque 4N.M (35.4in/lb) (item 1 in the picture below)
2. Disconnect the temperature sensor
3. Take resistance measurement using a multimeter: Select ohms on the multimeter (if applicable 100 ohms range), put probs of the multimeter on the pins of the sensor connector (item 3 in the picture below)




4. Take note of manufacturing date and PN



5. For each bus fill the table below:

| Road number | Torque (35,4 in/lb) | Resistance measured | PN of the Temperature sensor | Manufacturing date of the Temperature sensor |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

6. If defective (resistance above 1Kohms) replace the defective sensor and send it for investigation
   6.1. Before placing the new sensor verify its resistance (step 3 + 5)
   6.2. Place the new sensor and respect the torque value 4N.M = 35.4in/lb
7. Otherwise re-connect the temperature sensor and respect the torque value 4N.M = 35.4in/lb