

|                     |   |
|---------------------|---|
| REFERENCE:          | Nova Bus Manuals                                  |
| SECTION:            | 16: 24-Volt Electrical System - Exterior Lighting |
| RS N°:              | MQR 7621-2012                                     |
| EFFECTIVE IN PROD.: | LC79 (2015NO)                                     |

APPLICATION DEADLINE: 2023SE21  
CLAIM REFERENCE NUMBER: WB-5210

|                |   |
|----------------|---|
| SUBJECT:       | Horn  |
| JUSTIFICATION: | Horn may fail due to the low internal high heat resistance. |

| LEVEL | DESCRIPTION                                    | DIRECT CHARGES |          | TIME   |
|-------|--|----------------|----------|--------|
|       |  | LABOUR         | MATERIAL |        |
| 1     | Replace the horns by the stronger horn N104605 | Nova Bus       | Nova Bus | 15 min |
| 2     | –  | –              | –        | –      |

#### MATERIAL REQUIRED PER VEHICLE

| QTY            | PART N°  | REV. | DESCRIPTION                             |
|----------------|----------|------|---|
| <b>LEVEL 1</b> |          |      |   |
| 1              | N104605  | –    | Twin horn with internal heat protection |
| 1              | N8950853 | –    | Horn wire kit                           |
| 2              | N11185   | –    | M6 Nylon locknut                        |
| 2              | N11821   | –    | M6 X 20 Bolt                            |
| 4              | N11183   | –    | M6 flat washer                          |
| <b>LEVEL 2</b> |          |      |   |
| –              | –        | –    | –                                       |

Materials will be available within 185 days once your order has been placed.

To order, please contact [novabus.parts@volvo.com](mailto: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 | * Dispose of the unused parts and the defective parts in accordance with local environmental standards in effect. |
|--------------------|-------------|----------|---|
|                    | Yes         | –        |   |

#### REVISION HISTORY

| REV. | DATE     | CHANGE DESCRIPTION | WRITTEN BY   |
|------|----------|--------------------|--------------|
| NR   | 2022JA28 | Initial release    | Luc Carignan |
| R1   | 2022MR16 | Order LB62 added   | Luc Carignan |

APPROVED BY:

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| Symbol      | Meaning  |
|-------------|--|
| Empty Field | No changes, the procedure applies              |
| Added       | Contract added, the procedure applies          |
| Remove      | Contract removed, the procedure does not apply |

| SYM   | CLIENT                                     | ORDER | ROAD NUMBER |      | VIN (2NVY/4RKY...) |               | QTY |
|-------|--|-------|-------------|------|--------------------|---------------|-----|
|       |  |       | FROM        | TO   | FROM               | TO            |     |
|       | New York City Transit New York - NYCT      | L958  | 5439        | 5442 | S92J9G9775533      | S92J9G9775631 | 4   |
|       | New York City Transit New York - NYCT      | L959  | 5443        | 5443 | S92J0H9776118      | S92J0H9776118 | 1   |
|       | New York City Transit New York - NYCT      | LA23  | 5485        | 5530 | S92J5J9776380      | S92J6J9776517 | 46  |
|       | New York City Transit New York - NYCT      | LA73  | 8504        | 8507 | L82J8J9776445      | L82J8J9776476 | 4   |
|       | New York City Transit New York - NYCT      | LA76  | 8508        | 8633 | L82J9J9776924      | L82J8K9777144 | 125 |
|       | New York City Transit New York - NYCT      | LB29  | 5531        | 5566 | S92J9J9776687      | S92J6J9776873 | 36  |
|       | New York City Transit New York - NYCT      | LB59  | 5444        | 5484 | S92J7H9776195      | S92J6H9776379 | 41  |
|       | New York City Transit New York - NYCT      | LB78  | 8526        | 8526 | L82J3K9776984      | L82J3K9776984 | 1   |
|       | New York City Transit New York - NYCT      | LB99  | 5567        | 5602 | S92J2J9776935      | S92J5K9777000 | 36  |
|       | New York City Transit New York - NYCT      | LC32  | 8634        | 8754 | L82JXK9777145      | L82J5K9777277 | 121 |
|       | New York City Transit New York - NYCT      | LC79  | 9623        | 9784 | L82L1M9777782      | L82L4M9777954 | 162 |
|       | New York City Transit New York - NYCT      | LD64  | 9785        | 9910 | L82L0M9777871      | L82L1M9778155 | 126 |
|       | Toronto Transit Commission - TTC - Ontario | L998  | 8620        | 8716 | L82J3H3750545      | L82J4H3750683 | 97  |
|       | Toronto Transit Commission - TTC - Ontario | LA67  | 8720        | 8919 | L82J4H9775996      | L82J3H9776248 | 200 |
|       | Toronto Transit Commission - TTC - Ontario | LA68  | 8920        | 8964 | L82J6H3750796      | L82JXH3750848 | 45  |
|       | Toronto Transit Commission - TTC - Ontario | LB28  | 3180        | 3329 | L82J0J9776584      | L82J4J9776815 | 150 |
|       | Toronto Transit Commission - TTC - Ontario | LB57  | 3455        | 3569 | L82L4J3751503      | L82L9K3751739 | 115 |
| Added | Toronto Transit Commission - TTC - Ontario | LB62  | 3400        | 3400 | L82L5J3751381      | L82L5J3751381 | 1   |
|       | Toronto Transit Commission - TTC - Ontario | LB75  | 3330        | 3369 | L82J6J9776816      | L82J5J9776886 | 40  |
|       | Toronto Transit Commission - TTC - Ontario | LB79  | 3401        | 3454 | L82L5J3751445      | L82L2J3751502 | 54  |

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

## PROCEDURE

- 1.1. Raise the vehicle.

**CAUTION**

For information on hoisting and towing of the vehicle, see section 18: *HOISTING AND TOWING* in the Nova Bus maintenance manual. Use appropriate hoisting equipment for your protection and to prevent damage to the vehicle.

- 1.2. Remove the front dustpan. See Figure 1

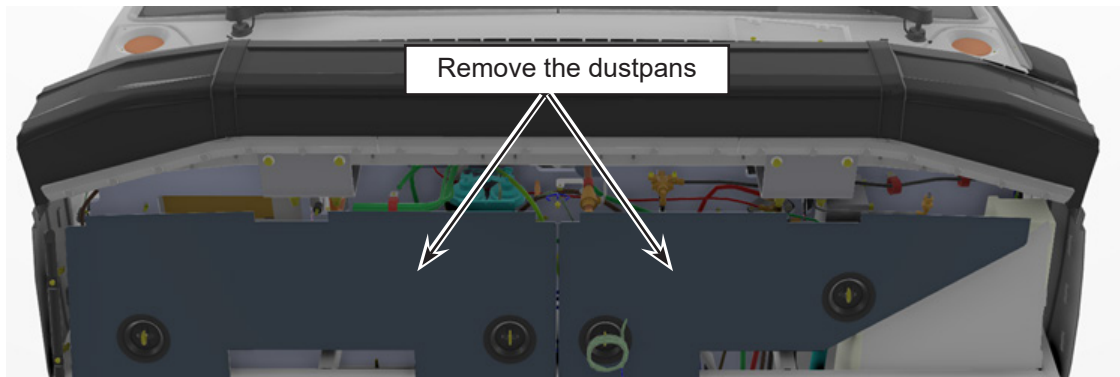


Figure 1 - Dustpan to remove

- 1.3. Remove the horn assembly and discard.
- 1.4. Connect the N8950853 horn wire kit to new N104605 Horn.

- 1.5. Affix the new N104605 horn where the removed horn was, using 2 X N11821 bolts, 4 X N11183 washers and 2 X N11185 locknuts. See Figure 2 for torque value.

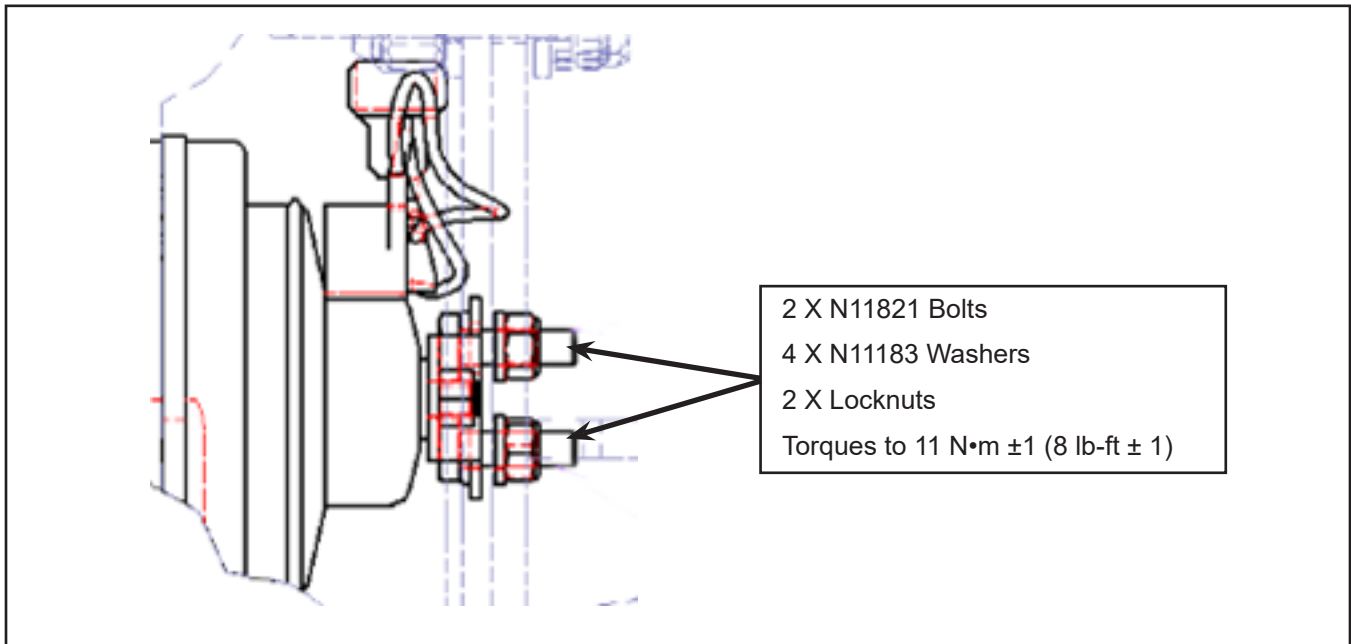


Figure 2 - Horn Anchor Bolts Torque Value

- 1.6. Install the removed dustpan.
- 1.7. Lower the vehicle.
- 1.8. Test the horn functionality.

