

REFERENCE:	Nova Bus Manuals
SECTION:	16: Electrical system
RS N°:	MQR 7621-2687
EFFECTIVE IN PROD.:	NA

APPLICATION DEADLINE: 2025AL04
CLAIM REFERENCE NUMBER: WB-5450

SUBJECT:	LED light replacement.
JUSTIFICATION:	LED strip (N105390) was installed without seals in the plug.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replacement of new LED lamp.	Nova Bus	Nova Bus	0.5 h
2	—	—	—	—

MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
1	N105390	—	Light LED CHMSL 18" strip 24V
LEVEL 2			
—	—	—	—

Materials will be available within 38 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	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2024FE07	Initial release	Nandan B S

APPROVED BY:

Irina

NQF772001 VERSION 3

Negoescu

Signature
numérique de
Irina Negoescu
Date : 2024.02.07
11:26:21 -05'00'

PAGE 1 OF 7

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Ames Transportation Agency - Iowa	LE80	6150	6150	S92J0N9	S92J0N9	1
Ann Arbor Area Transportation Authority Michigan - AAATA	LE73	2200	2207	L82JXN9	L82J7N9	8
Capital Area Transportation Authority Michigan - CATA	LE04	731	737	L82J2N9	L82J8N9	7
Capital Area Transportation Authority Michigan - CATA	LE05	6020	6019	S92JXN9	S92J8N9	2
Chicago Transit Authority - CTA	LD76	8350	8449	L82J0N9	L82J8N9	100
Chicago Transit Authority - CTA - Illinois	LE87	8459	8499	L82J5N9	L82J9P9	41
Chicago Transit Authority - CTA - Illinois	LE87	8502	8502	L82J1P9	L82J1P9	1
Chicago Transit Authority - CTA - Illinois	LE87	8510	8514	L82J2P9	L82JXP9	5
Houston - Texas	LE77	3000	3000	L82M3N9	L82M3N9	1
Mack Defense	LE68	—	—	L82J6N9	L82J7N9	4
Maryland Transit Administration - MTA	LE53	22001	22033	L82JXN9	L82J3N9	33
Maryland Transit Administration - MTA	LE53	22035	22070	L82J9N9	L82J4N9	36
Milwaukee - Wisconsin	LE16	1000	1000	L82M4N9	L82M4N9	1
Milwaukee - Wisconsin	LE17	1004	1004	L82M3N9	L82M3N9	1
NFTA - Buffalo, New York	LE03	2261	2270	L82J3N9	L82J8N9	10
Rochester New York - RTS	LE92	2225	2247	L82J7N9	L82J8N9	23
San Francisco California SFMTA - LFS-e+	LE39	5010	5010	L82M2N9	L82M2N9	1
San Juan Puerto Rico	LE83	2022-01	2022-11	L82J0N9	L82J3N9	11

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

**CAUTION**

Be sure the vehicle is parked in a place where the work can be performed safely and away from any potential vehicle traffic and the parking brake is set so to prevent any movement of the vehicle. Since the work to be performed is in close proximity to the vehicle engine and other systems that potentially have moving parts you must ensure that the engine is off and the engine or other systems cannot be activated while the change out of the lamp is being made.

PROCEDURE

- 1.1. Park the vehicle on an even surface with the transmission on neutral.
- 1.2. Apply the parking brake and set the master control switch to the **stop** position.
- 1.3. Set the battery disconnect switch in the battery compartment to the **off** position.
- 1.4. Locate the lamp wiring and the point at which the wiring of the lamp is connected to the vehicle harness (see figure 1).

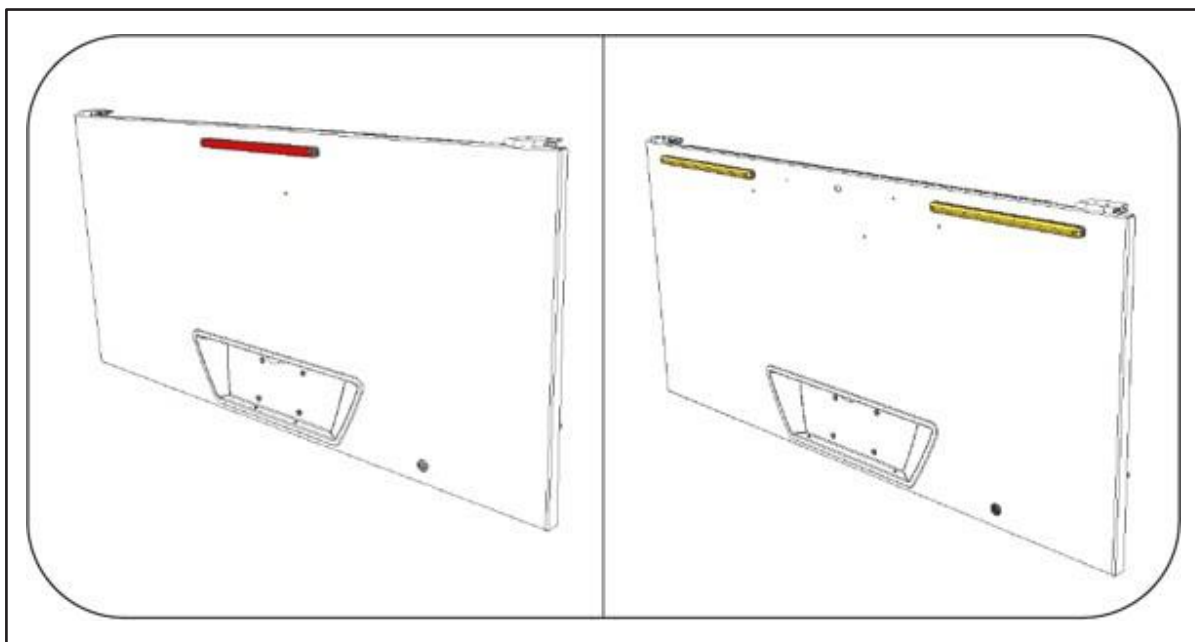


Figure 1 - Location of LED Lamp

- 1.5. Disconnect the lamp connector from the mating vehicle harness connector, employ a small tool like a screwdriver to disengage the locking tab securing the connectors in place(see figure 2).

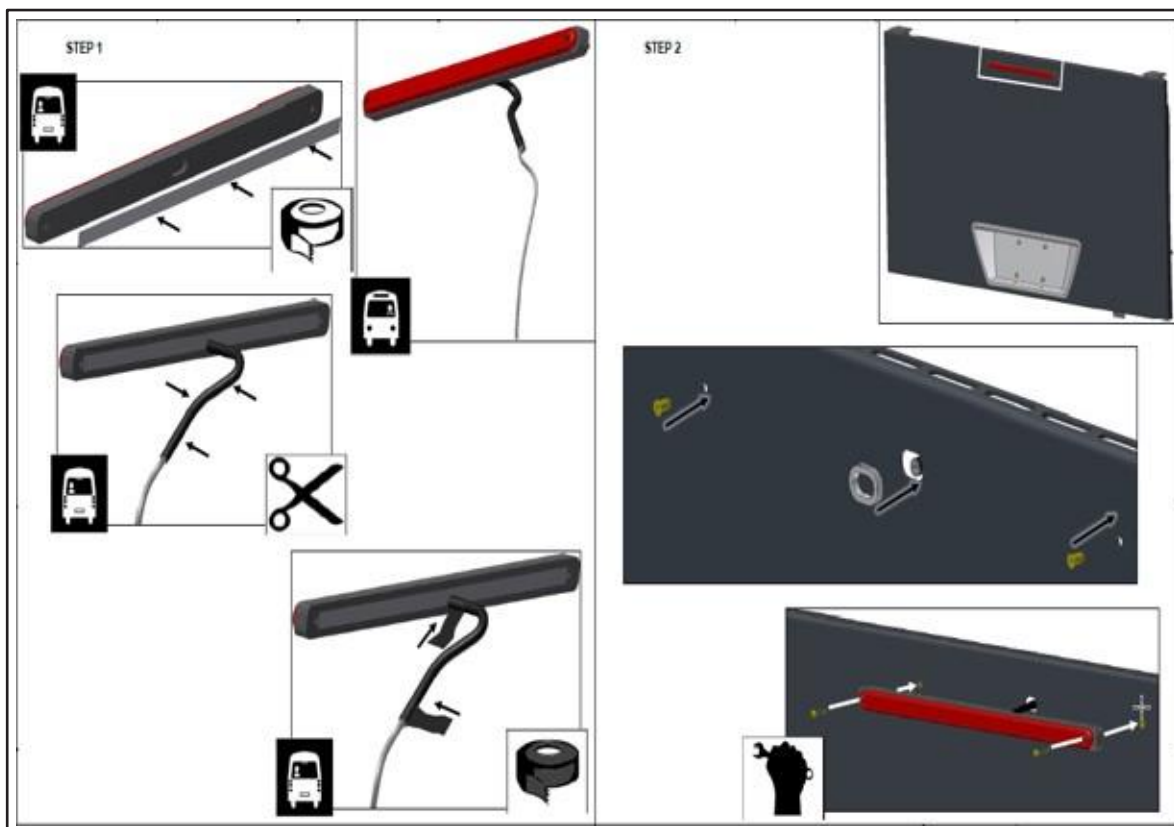


Figure 2 - Disconnecting The Lamp Connectors

- 1.6. Remove the wiring from all fastening points between the lamp/vehicle connection to the point where the lamp passes through the vehicle body to the bottom of the lamp (see figure 3).

**NOTE**

Make note of the wire routing for later when a new lamp is being installed.

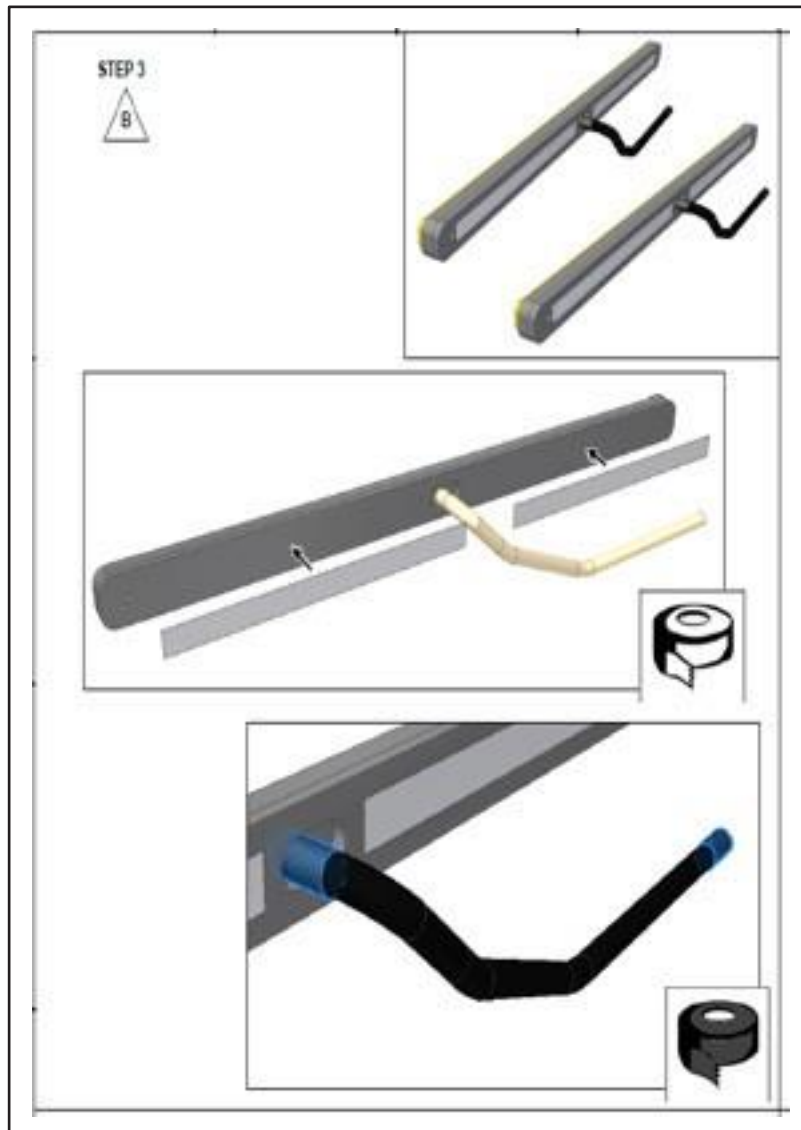


Figure 3 - Removal of Wiring

- 1.7. From the vehicle's exterior, remove the two screws from the lamp that are being used to secure the lamp to the vehicle (see figure 4).

**NOTE**

Retain these screws for future use when installing the new lamp onto the vehicle.

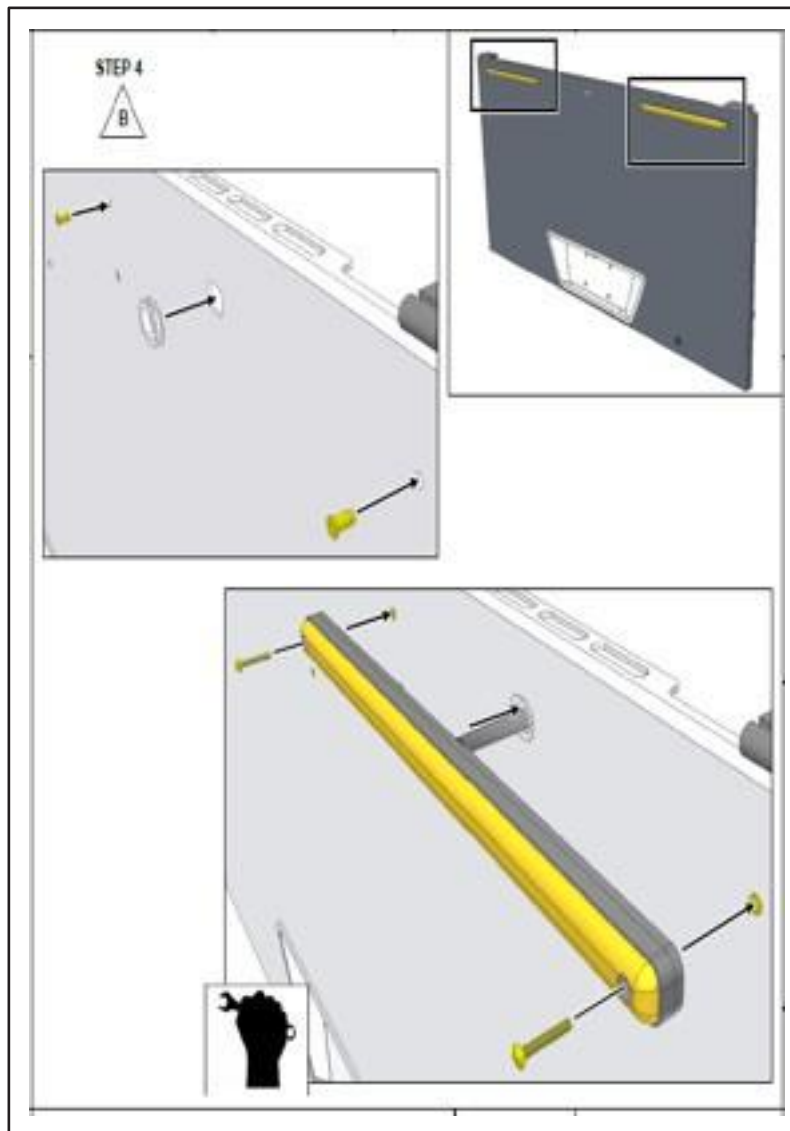


Figure 4 - Removal of Exterior Screws

- 1.8. Remove the lamp from the vehicle and smoothly pull the wiring through the access hole that the wiring is passing through. In cases where the hole is elongated, it may be necessary to rotate the lamp connector to enable the passage of all connectors through the vehicle access hole.
- 1.9. Install the new light by feeding the lamp wire harness/connector through the wiring access hole, position the lamp so that the mounting holes on the lamp line up with the mounting holes on the vehicle and secure it with the previously removed screws.
- 1.10. Reroute the wiring along the same path as that of the lamp previously removed.
- 1.11. Connect the vehicle lamp to the vehicle harness connector. The connector is polarized so if there is difficulty making the connection it may need to rotate one of the connectors by 180 degrees.
- 1.12. Test the lamp to ensure it was properly installed and illuminated.
- 1.13. Vehicle ready for service. ♦