

REFERENCE:	Nova Bus Manuals
SECTION:	14: Heating and Ventilation
RS N°:	MQR 7621-816
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINE: 2020JN26
CLAIM REFERENCE NUMBER: WB-4298

SUBJECT:	Dust Intrusion in Base light
JUSTIFICATION:	Dust intrusion in baselights area through the return air grill.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Installation of plates for improved return air grill seal.	Nova Bus	Nova Bus	1.5 hr
2	–	–	–	–

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
6	N97111	–	PLATE CLOSE OUT	–
11.5 LF	N70623	A	TAPE FOAM	–
12	N26572	T	LOCKNYL M4 SS A2 DIN985	–
12	N44157	A	SCREW M4X12 MACH R/CHEES CR ZP	–
LEVEL 2				
–	–	–	–	–

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	2019AR29	Initial release	Devanand B

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Austin - CMTA - Texas	L704	5051	5068	L82J7E4500471	L82J2E4500488	18

**WARNING**

Follow your internal safety procedures.

PROCEDURE

- 1.1. Park the vehicle on an even surface with transmission in (N) and engage the parking brake.
Set the Master control switch in the stop position (see Figure 1).

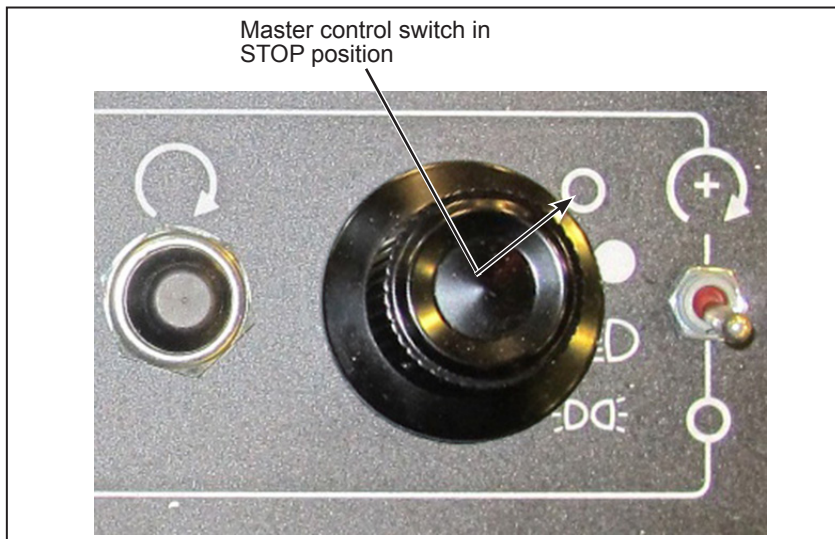


Figure 1 - Master control switch position

- 1.2. Set the battery disconnect switch in the battery compartment to the OFF position (see Figure 2).

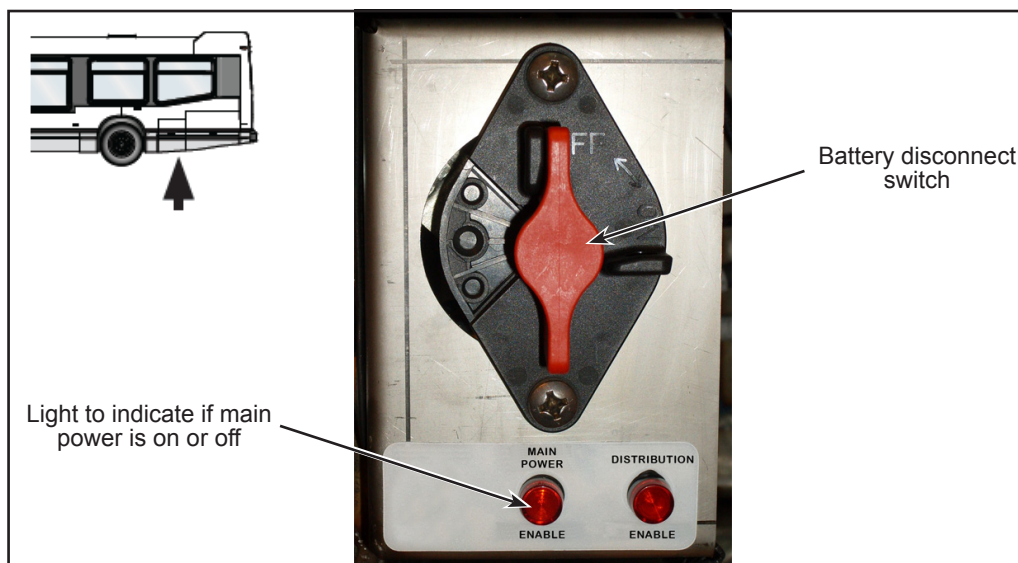


Figure 2 - Battery disconnection switch position

**WARNING**

Before starting any work on the vehicle, make sure the vehicle is completely and securely stationary. Disconnect the starting circuit on the control box at the rear of the vehicle and place the battery disconnect switches in the OFF position.

- 1.3. Identify and remove the four return air grills (see Figure 3).



Figure 3 - Typical Location of Return Air Grill

- 1.4. Remove the longitudinal length of foam tape (N70623) on the exterior side of the bus only to have access to the structural holes (see Figure 4).

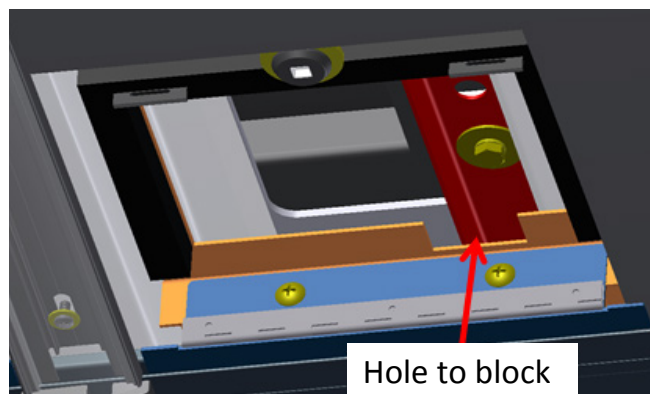
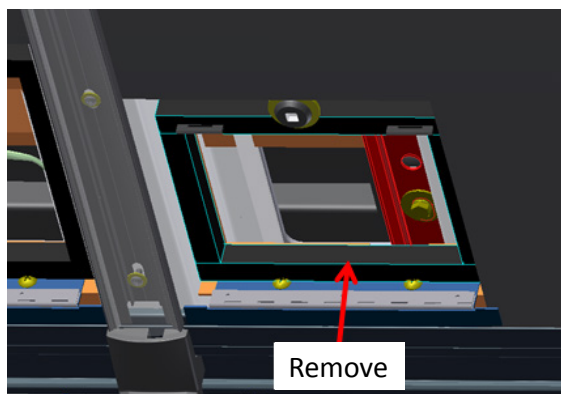


Figure 4 - View of Structural Hole from Block

- 1.5. There are a total of 6 holes to block, 3 on each side of the bus (see Figure 5).

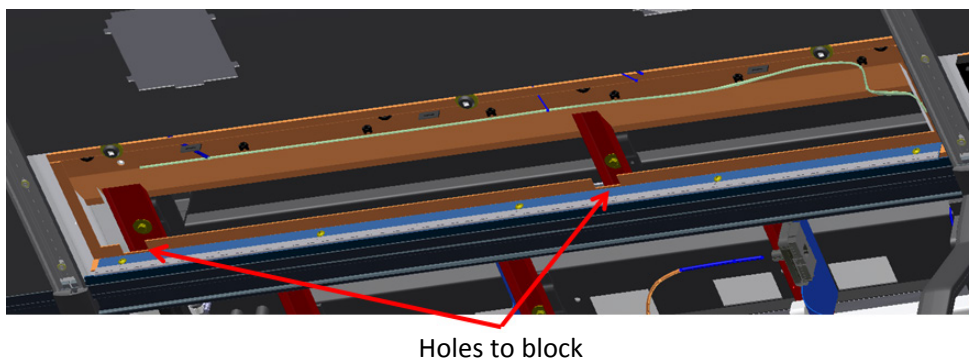


Figure 5 - View of Holes from Long Return Air Grill

- 1.6. Install the bracket (N97111) on the underside of the structure to block the holes to prevent unwanted airflow (see Figure 6).
- 1.7. Use bracket as a drilling template.
- 1.8. Repeat Step 1.7 on the other side.



Figure 6 - Installation of Bracket



NOTE

Clean the bonding surfaces using isopropyl alcohol or a degreasing product to have a clean adhesion surface. Wipe or clean with a cloth and ensure the surface is dry.

When installing foam tape, apply firm even pressure on the bonding surface for few seconds to properly adhere.

- 1.9. Use screw (N44157) and lock nut (N26572) to secure the bracket (see Figure 7).



Figure 7 - View of Bonding Surface

- 1.10. Clean the bonding surfaces.
- 1.11. Re-install foam tape (N70623) where previously removed.
- 1.12. Re-install return air grills.❖