

REFERENCE:	Nova Bus Manuals
SECTION:	14: Heating and Ventilation
RS N°:	MQR 7621-2456
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINE: 2023NO10
CLAIM REFERENCE NUMBER: WB-5300

SUBJECT:	Base lights deflectors breaking.
JUSTIFICATION:	HVAC deflectors are breaking at the folded attachment points. The brackets broke right at the bending due to a sharp curve.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Reinforcement of Base lights deflectors	Novabus	Novabus	3.67 h
2	–	–	–	–

MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
4	N8951131	–	DEFLECTOR AIR ASSY TK AM2
4	N8951130	–	DEFLECTOR AIR ASSY TK AM2
48	N75179	A	RIVET 3/16X1.0 BLIND DOMED ALU
16	N38593	A	NUT LOCKNYL FL M6 ZP
LEVEL 2			
–	–	–	–

Materials will be available within 42 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	* 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	2022SE14	Initial release	Devanand

APPROVED BY:

Arina Negoescu

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
CMBC (TransLink) - British Columbia	LB32	18451	18473	L82J5J9776726	L82J4J9776748	23
San Juan Puerto Rico	LC03	2019-01	2019-06	L82J9K9777251	L82J8K9777256	6
San Juan Puerto Rico	LD01	2020-01	2020-01	L82J0L9777561	L82J0L9777561	1
San Juan Puerto Rico	LD32	2021-01	2021-10	L82J5L9777751	L82J6L9777760	10
San Juan Puerto Rico	LE06	2021-11	2021-17	L82JXM9778136	L82J5M9778142	7
San Juan Puerto Rico	LE83	-	-	L82J0N9778616	L82J3N9778626	11

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

PROCEDURE

- 1.1. Park the vehicle on an even surface the with transmission in neutral.
- 1.2. Set the master control switch in the STOP position and apply the parking brake.
- 1.3. Set the battery disconnect switch in the battery compartment to the OFF 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.

- 1.4. Open the front base light panels (located near the return air grill) (see figure 1).



Figure 1 - Location of Front Base Light Panels to remove

- 1.5. Remove the 8 deflectors.
- 1.6. Cut each end of the Original deflectors to install the new bracket (see figure 2).

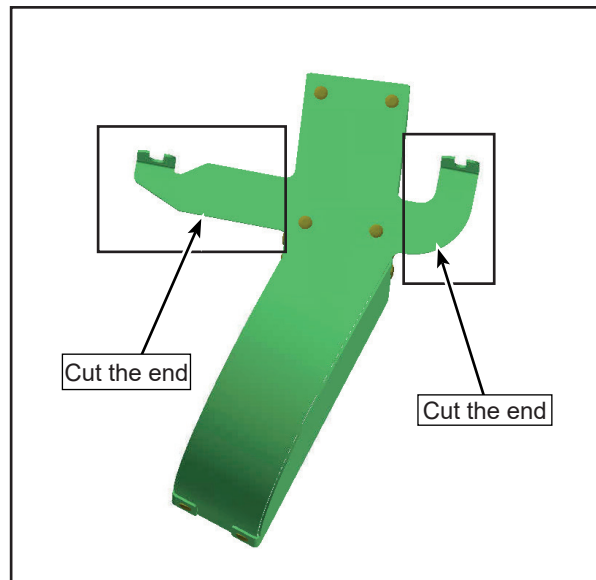


Figure 2 - View of Original Deflectors

- 1.7. Repeat the process for the other deflectors.
- 1.8. Drill out and remove the original rivet (see figure 3).

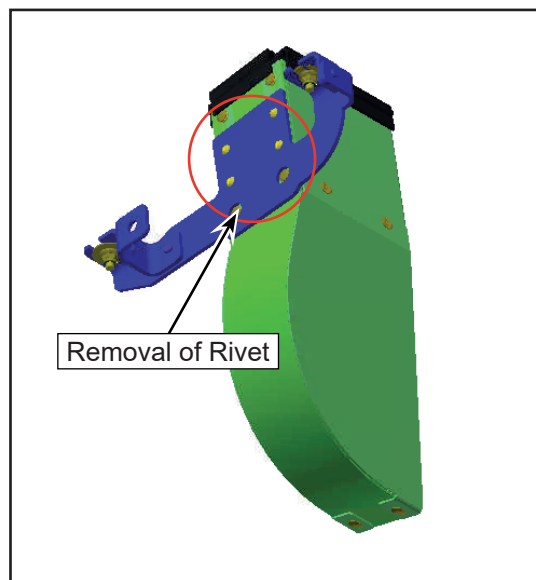


Figure 3 - Removal of Original Rivet

- 1.9. Locate the bracket on the drilled holes.
- 1.10. Drill the 4 other holes using the bracket as a jig and rivet the hole with size of "0.197-0.207"(see figure 4).

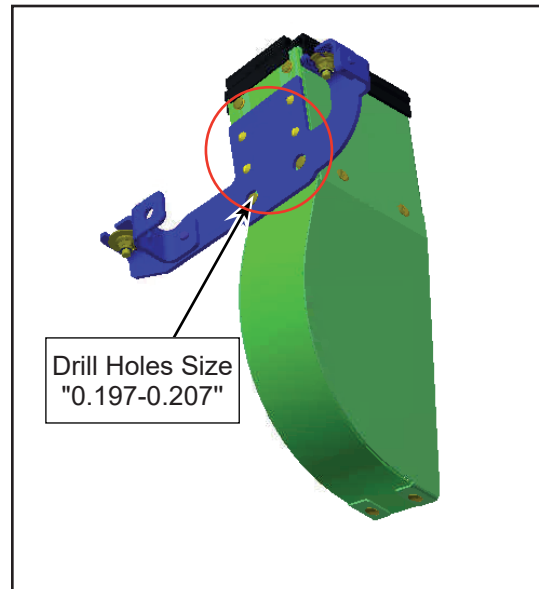


Figure 4 - Location of Drilled Holes

- 1.11. Install the brackets accordingly on the deflectors using the rivets N75179 (see figure 5 to figure 12).

PREPARATION CURBSIDE / FRONT:

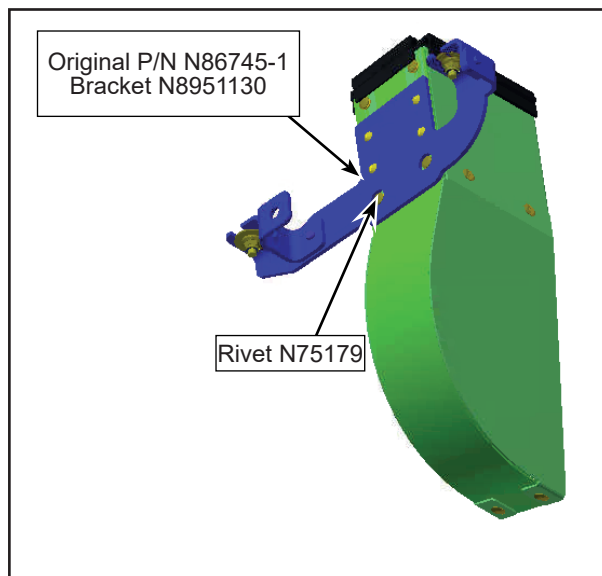


Figure 5 - Installation of Bracket

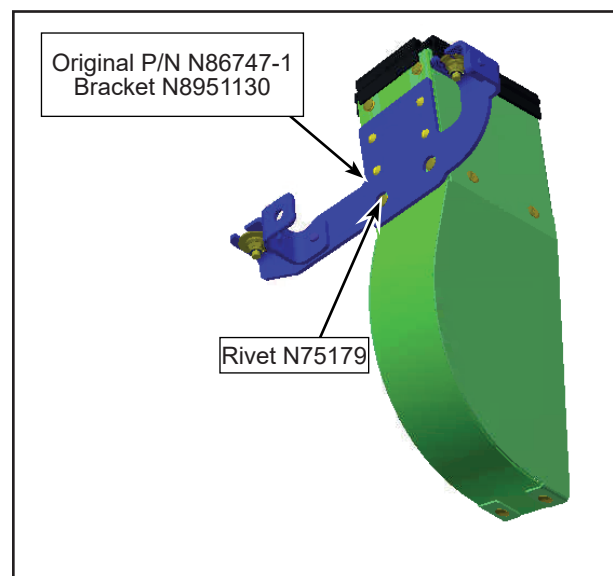


Figure 6 - Installation of Bracket

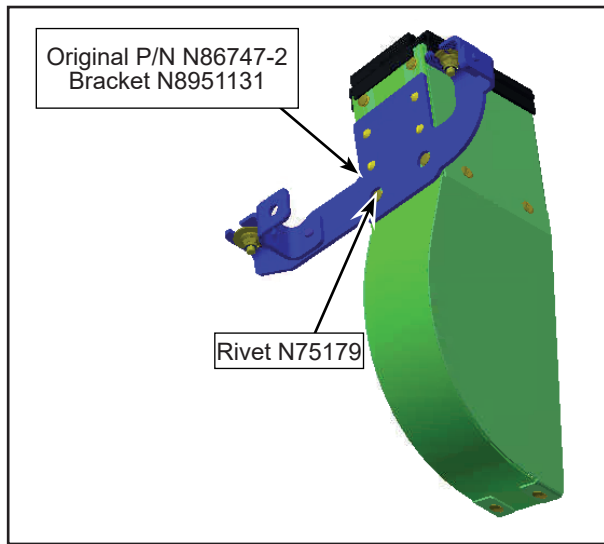


Figure 7 - Installation of Bracket

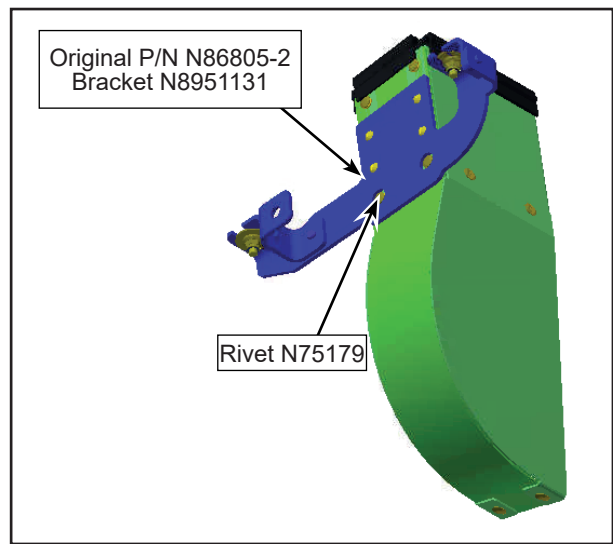


Figure 8 - Installation of Bracket

PREPARATION STREETSIDE / FRONT:

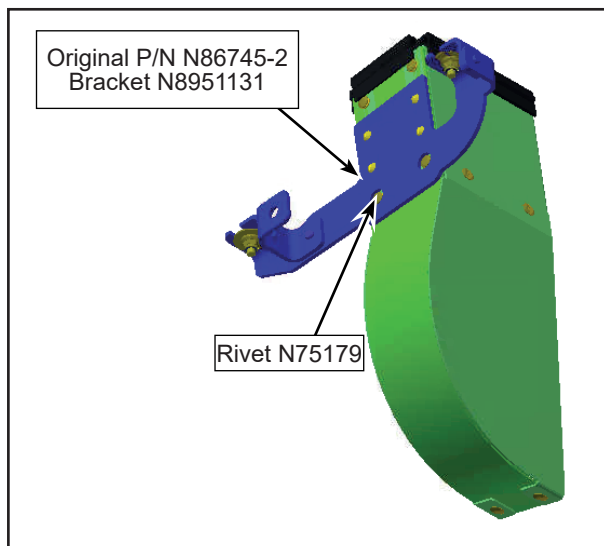


Figure 9 - Installation of Bracket

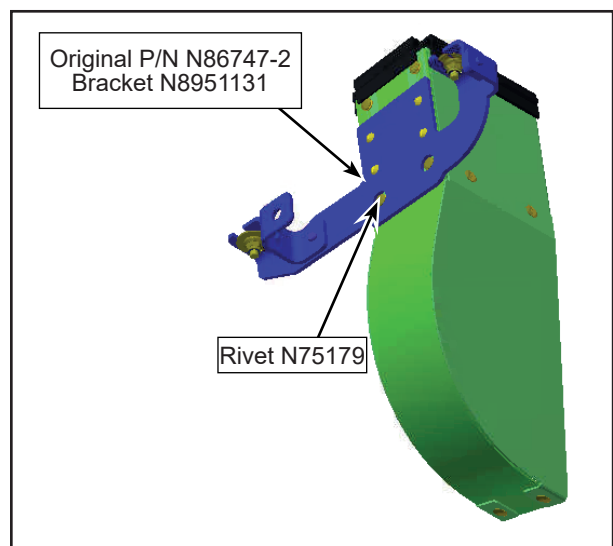


Figure 10 - Installation of Bracket

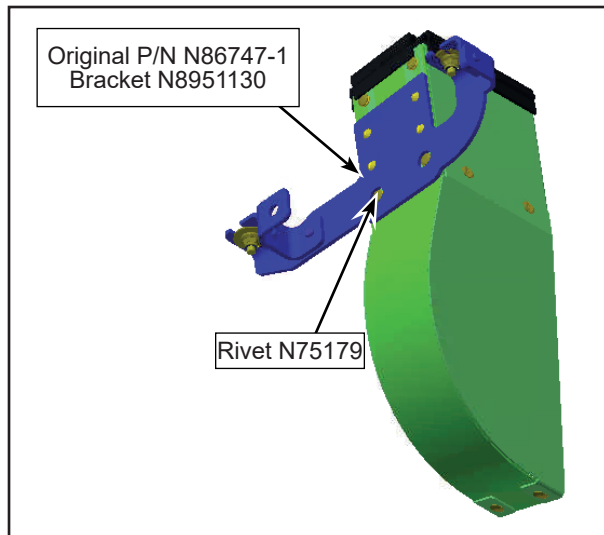


Figure 11 - Installation of Bracket

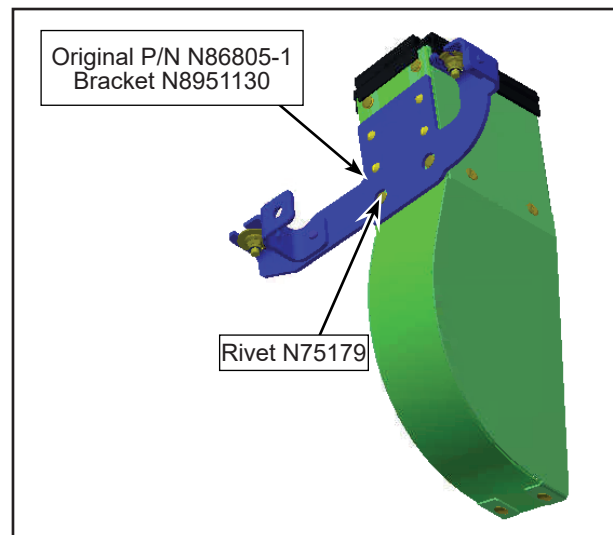


Figure 12 - Installation of Bracket

- 1.12. Mount the deflectors using the same washer to secure with a new flange nut N38593 (see figure 13).

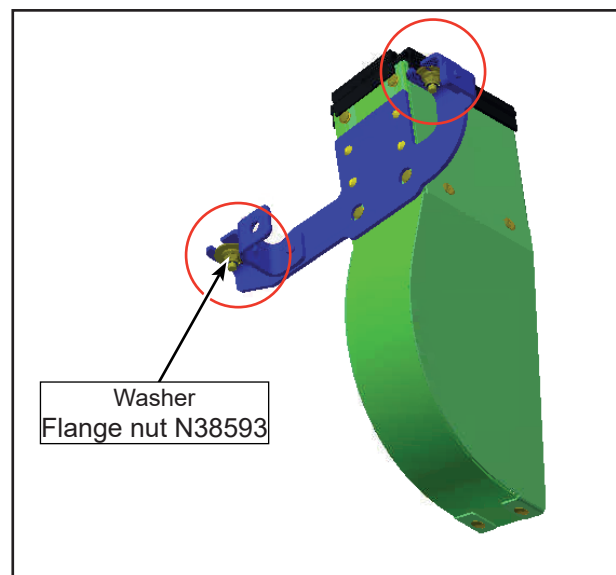


Figure 13 - Installation of Washer and Flange Nut

- 1.13. Close the base lights in the front section of the vehicle.
1.14. Set the battery disconnect switch in the battery compartment to ON position.
1.15. Set the Master control switch in the ON position.
1.16. The vehicle can return in service. ❖