NOVA BUS **SERVICE BULLETIN** **BS3120ER1**

REFERENCE:	Nova Bus Manuals
SECTION:	12 Interior Furnishing
RS Nº:	7621-250
EFFECTIVE IN PROD.:	L670 (2011AU24)

APPLICATION DEADLINE: 2015AL30
CLAIM REFERENCE NUMBER: WB-3120

SUBJECT:	Rear 5-seat bench retainer clips with floating nut
JUSTIFICATION:	Seat retainer clips break due to repeated removal of bench for engine access.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install new fastening system.	Nova Bus	Nova Bus	25 min
2	–	–	–	–

MATERIAL

QTY	PART Nº	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
2	N74953	–	Locking screw	–
2	N74322	–	Bushing	–
1 Note 1	N74951	–	Drilling jig	–
1 Note 1	N69444	–	Drilling jig	–
2	N74307	–	Internal bracket with floating nut	–
2	N67764	–	Nut for bushing	–
4	N16704	–	Bolt for internal bracket	–
4	N38593	–	Nut for internal bracket	–
LEVEL 2				
–	–	–	–	–

Materials will be available within 30 days. To order, please contact Prevost Parts by phone at 1-800-771-6682, by fax at 1-888-668-2555 or by email at prevostparts.commandes@volvo.com. Specify document number, quantity of parts required and shipping address.

NOTE 1: Material will be available through your Nova Bus service representative.

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	2014MR19	Initial release	Wilder Galiano
R1	2014AL10	Note 1 added: Drilling jigs available through service representative.	Wilder Galiano

APPROVED BY: Daniel Theriault

Digitally signed by Daniel Theriault
DN: cn=Daniel Theriault, o=Nova Bus, ou=Publication, email=daniel.theriault@volvo.com, c=CA
Date: 2014.04.11 13:05:36 -04'00'

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
CMBC (TransLink) - British Columbia	L412	9401	9401	L82X993000136	L82X993000136	1
CMBC (TransLink) - British Columbia	L454	9402	9470	L82X793000359	L82XX93000453	69
CMBC (TransLink) - British Columbia	L455	9471	9491	L82X093000459	L82X993000489	21
CMBC (TransLink) - British Columbia	L482	9492	9517	L82X894000040	L82X094000064	25
CMBC (TransLink) - British Columbia	L483	9518	9542	L82X294000065	L82X594000089	25
CMBC (TransLink) - British Columbia	L532	9543	9551	L82U093000497	L82U693000505	9
CMBC (TransLink) - British Columbia	L533	9552	9573	L82U193000511	L82U093000537	22
CMBC (TransLink) - British Columbia	L534	9574	9590	L82U694000124	L82U894000139	16
New York City Transit - New York	L536	1200	1201	S92U793000490	S92U993000491	2
New York City Transit - New York	L545	1202	1289	S92U5A4000001	S92U0A4000098	88
New York City Transit - New York	L608	8000	8014	L82U6B4000047	L82U0B4000061	15
New York City Transit - New York	L620	8015	8074	L82U2B4000062	L82U7B4000123	60
New York City Transit - New York	L621	8075	8089	L82U9B4000124	L82U9B4000138	15
New York City Transit - New York	L643	5895	5895	S92U1B4000143	S92U1B4000143	1

WARNING

Follow your internal safety procedures.

PROCEDURE

1.1. Locate the engine access double-seat bench at the rear of the vehicle.

1.2. Remove the upholstered seat inserts from both seats of the removable double-seat bench. See Figure 1.

1.3. Unlock both seat latches in order to allow the bench to be opened and closed freely. See Figure 1.

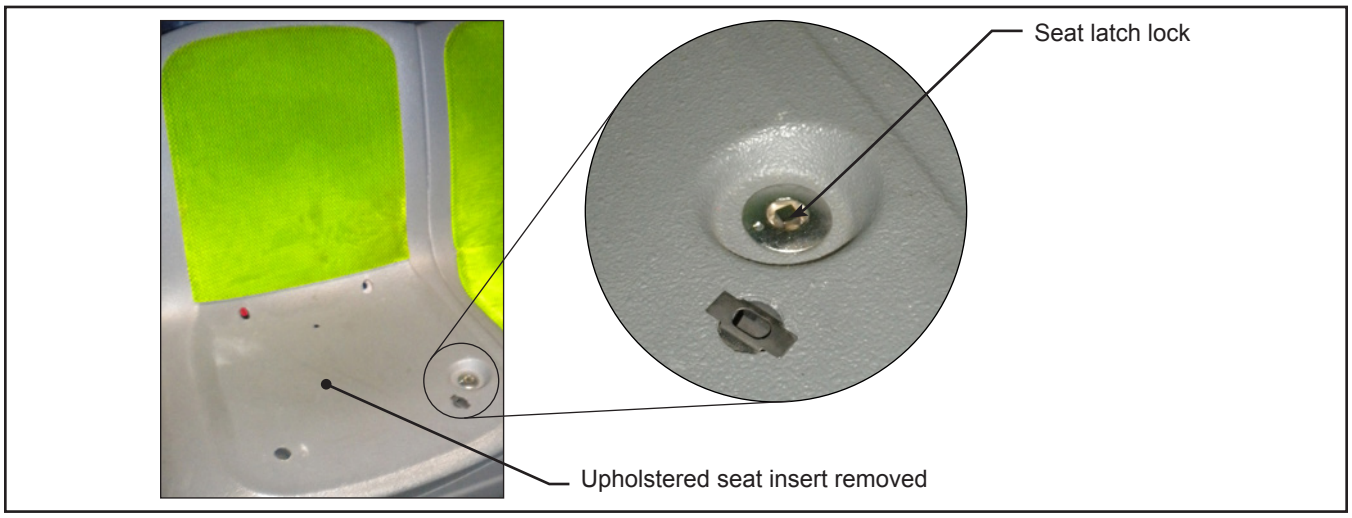

Figure 1 - Double-Seat Bench Latch Lock

1.4. Leave both latches in the **UNLOCKED** position and replace both upholstered seat inserts onto the bench. The installation of the new locking mechanism will negate the need for these latches.

1.5. Apply a strip of 1" masking tape centered over the front edge of both seats of the removable double bench. See Figure 2.

1.6. Use the drilling jig, N69444, in order to locate the center of the hole to be drilled. Drill a 1/8" (3 mm) pilot hole. See Figure 3. The same drilling jig is to be used for the holes on both seats.

1.7. Remove the jig and use a 1/2" (12.7 mm) drill bit to slowly increase the diameter of the hole.

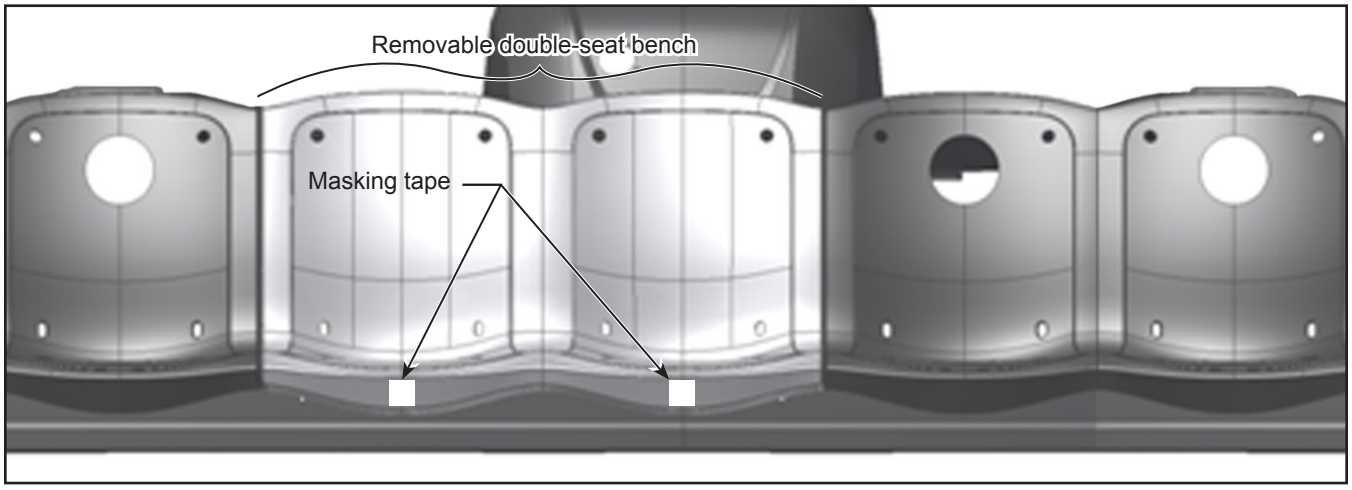

Figure 2 - Rear 5-seat Bench

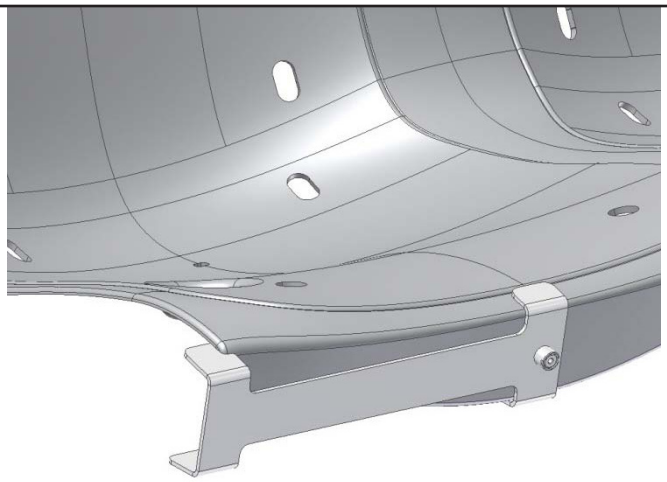

Figure 3 - Drilling Jig N69444

NOTE

Drill through the fiberglass bench ONLY. Do not drill through the steel underframe.

It is strongly suggested to wear off the cutting lips of the drill bit, in order to make it less aggressive during drilling.

CAUTION

Failure to follow the above procedures may result in a damaged seat.

1.8. Open the double-seat bench.

1.9. Insert the N74322 bushing into the hole and secure it with a N67764 Nut. Apply medium Loctite, or equivalent, to the bushing threaded area before installing the nut. See Figure 4.

1.10. Close the double-seat bench.

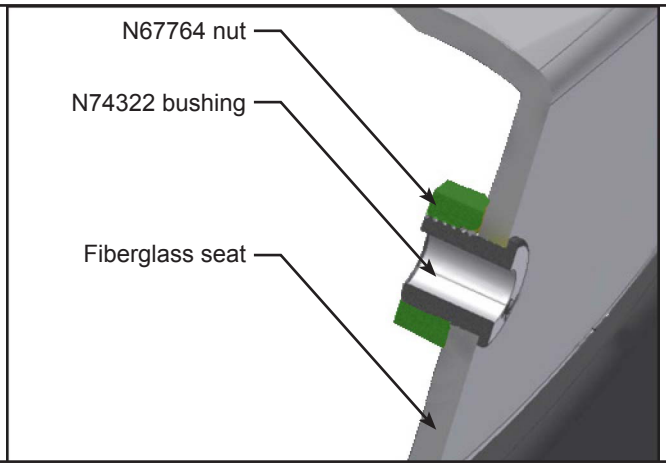

Figure 4 - Bushing assembly

NOTE

The seat must be closed tightly in order to correctly mark the drill hole in the next step and ensure a tight fit of the seat latch once installed.

1.11. Mark the steel underframe of the seat by inserting a center punch through the bushing. See Figure 5.

1.12. Open the double-seat bench.

1.13. Locate the markings from step 1.11 and drill a 0.136" (3.5 mm) dia. hole through the steel underframe at both locations. See Figure 5.

1.14. Place the drilling jig (N74951) using the hole drilled at step 1.13. Horizontally level the jig and secure it in place with a clamp. See Figure 6.

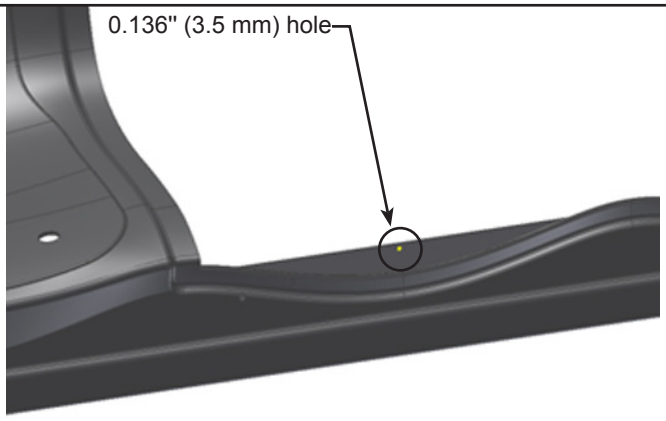

Figure 5 - Drilled Hole in Steel Underframe (Curb Side Seat Shown / Street Side Similar)

NOTE

Levelling and clamping of the drilling jig is essential to the proper installation of the bracket.

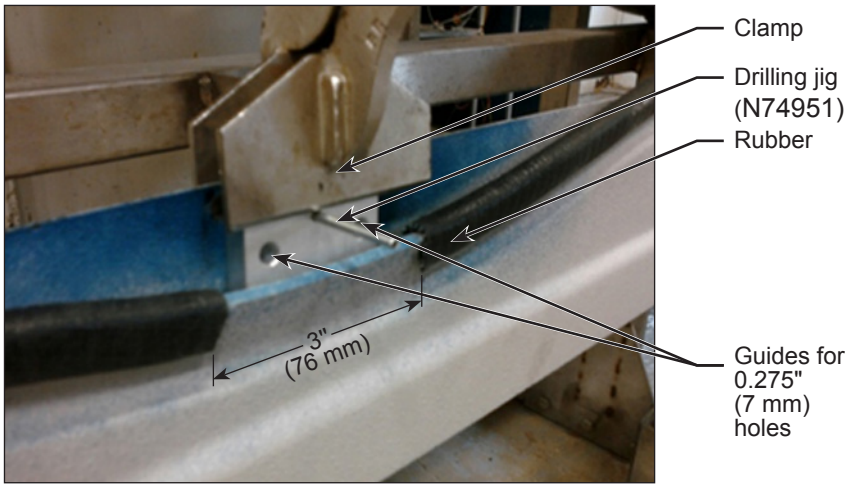

Figure 6 - Drilling Jig

1.15. Using the drilling jig as a guide, drill two 0.275" (7 mm) dia holes. See Figure 6.
1.16. Remove 3" (76 mm) of rubber below the drilling jig. See Figure 6.
1.17. Slot the steel underframe. Use the drilled hole to center the slot. See Figure 7.

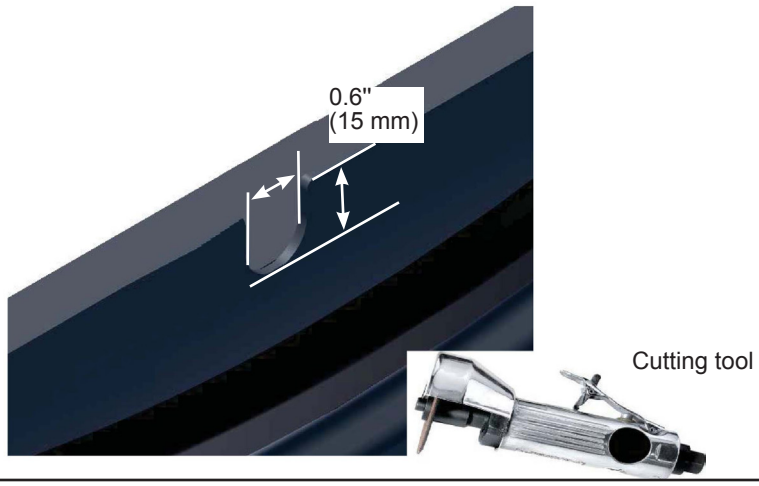

Figure 7 - Slot Steel Underframe

1.18. Align the internal bracket (N67424) with the holes drilled in step 1.15, and secure it in place with N16704 bolts, N38593 nut and medium strength Loctite, or equivalent. See Figure 8.

1.19. Repeat steps 1.08 to 1.18 for the second internal bracket assembly.

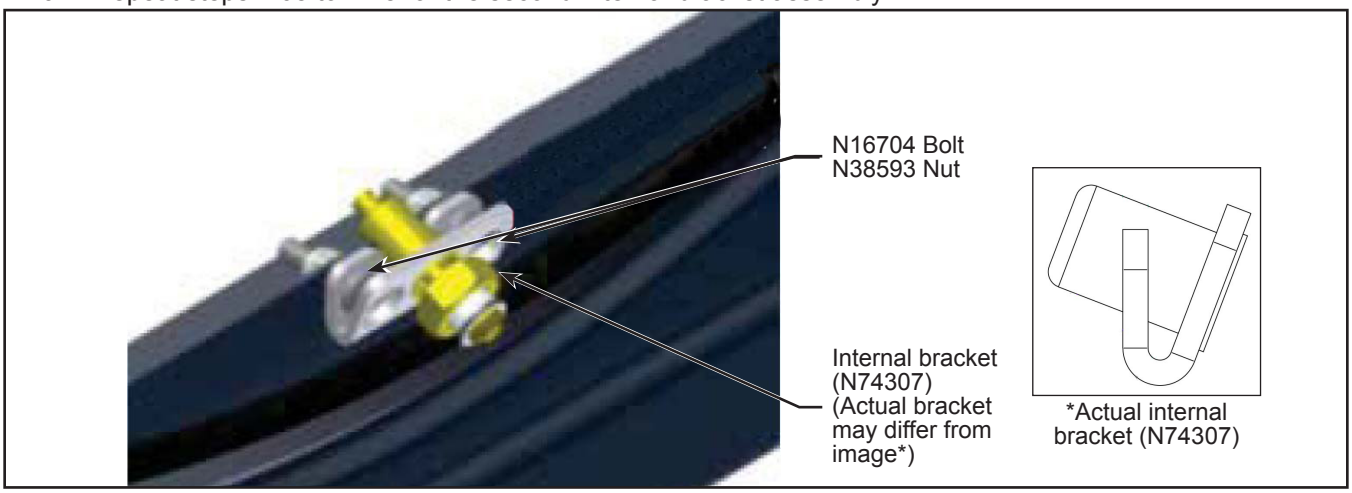

Figure 8 - N74307 Internal Bracket

1.20. Close the bench and insert the locking screw (N69631) through the bushing and into the internal bracket. See Figure 9. It is suggested to hand tighten the screw

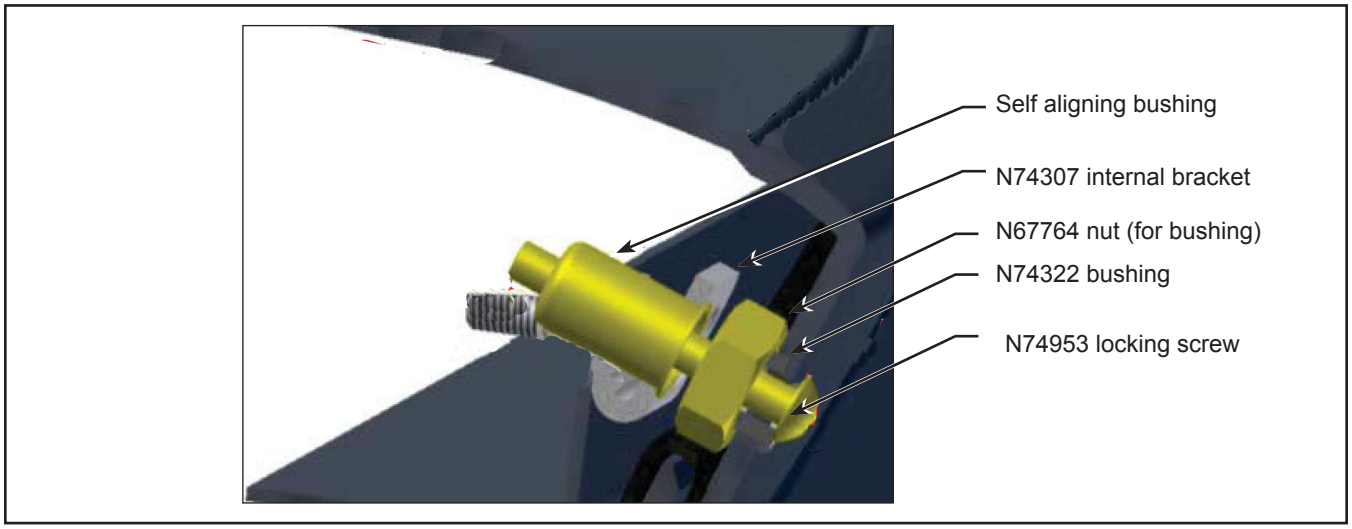

Figure 9 - Bracket Assembly (Bench in Closed Position)

NOTE

Some pressure must be applied to the seat while inserting or removing the locking screw.

1.21. Tighten the screws in both locations and ensure they are flush with the bushing. Ensure the screw is undamaged and properly seated. A damaged screw must be replaced.

CAUTION

Damaged or improperly secured screws may present a snagging hazard to passengers. ❖