

REFERENCE:	Nova Bus Manuals
SECTION:	10: Transmission and Control
RS N°:	MQR 7621-2486
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINES: 2024MA21
CLAIM REFERENCE NUMBER: WB5381

SUBJECT:	Transmission Coolant Pipes
JUSTIFICATION:	P-clamps holding the transmission coolant pipes can break and cause coolant leaks.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replace two installed P-clamps with two thicker ones.	Nova Bus	Nova Bus	1 h
2	–	–	–	–

MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
2	N31320-09	–	CLAMP LOOP TYPE ID 2" .063" THK
LEVEL 2			
–	–	–	–

Materials will be available within 51 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	2023MR15	Initial release	Annie St-Jacques

APPROVED BY:

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Maryland Transit Administration - MTA	LC27	20002	20030	L82JXL9777602	L82J4L9777658	29

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

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 and open the transmission access trap at the rear of the vehicle (Figure 1).

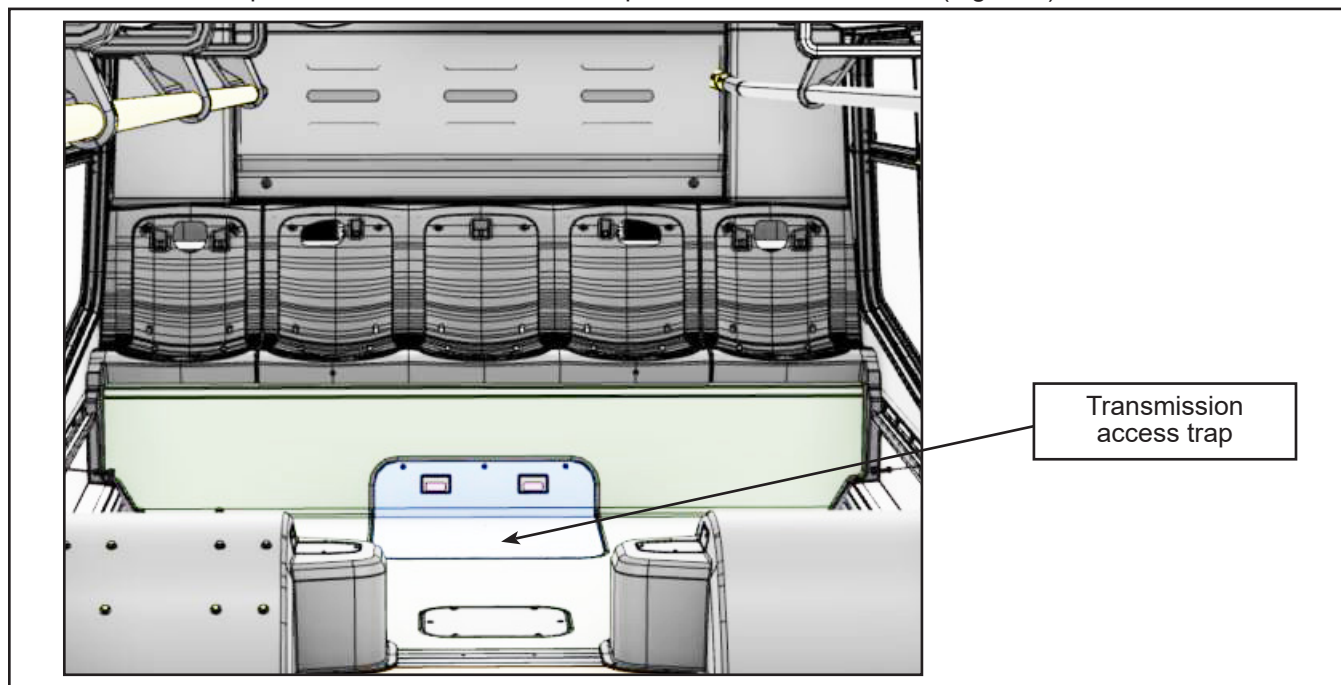


Figure 1 - Transmission Access Trap

- 1.5. Locate the two P-Clamps mounted on the engine cradle bracket that secure the two coolant pipes (Figure 2).
- 1.6. Remove the two P-clamps, keep the spacer, the screws and the nuts. Discard the P-clamps (Figure 3).
- 1.7. Prior to their installation, it is recommended to pre-bend/preform the 2 new P-clamps N31320-09 to facilitate their installation.
- 1.8. Install the two new P-clamps with the removed spacer, screws and nuts. Torque to the torque value of 17 ± 2 lb-ft (23 ± 2 N•m).
- 1.9. Close the transmission access trap.

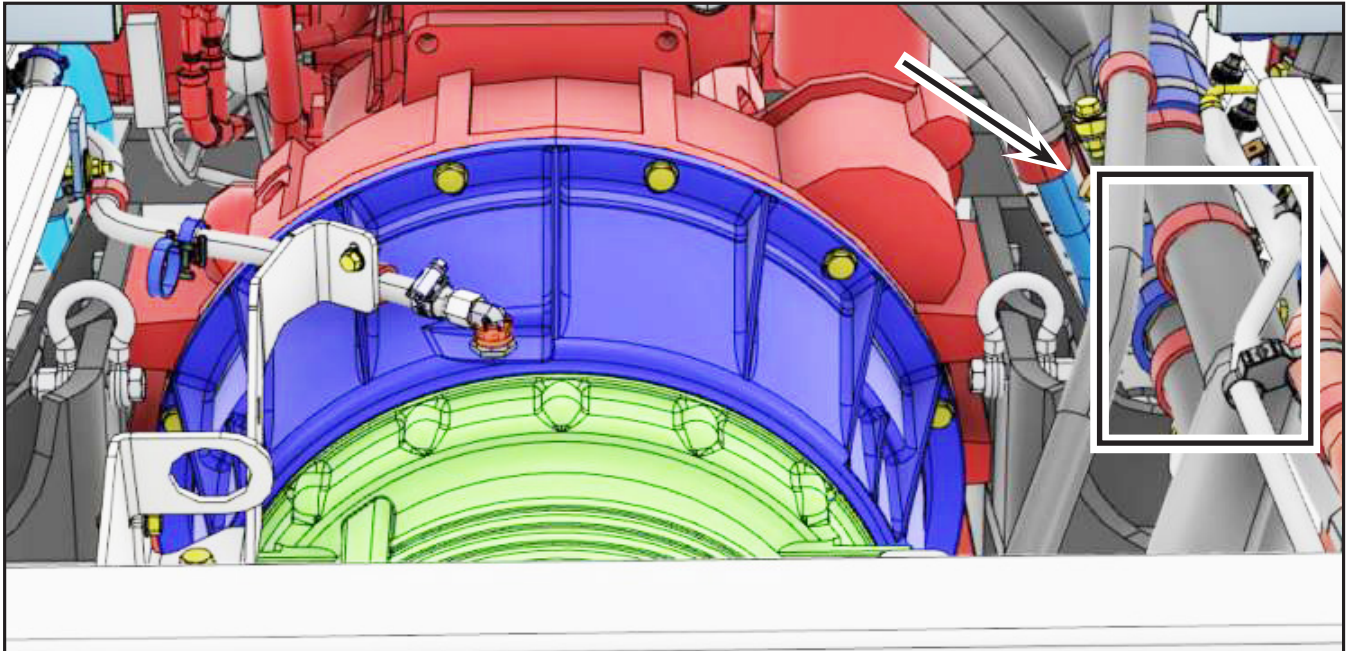


Figure 2 - The two P-clamps Securing the two Transmission Coolant Pipes

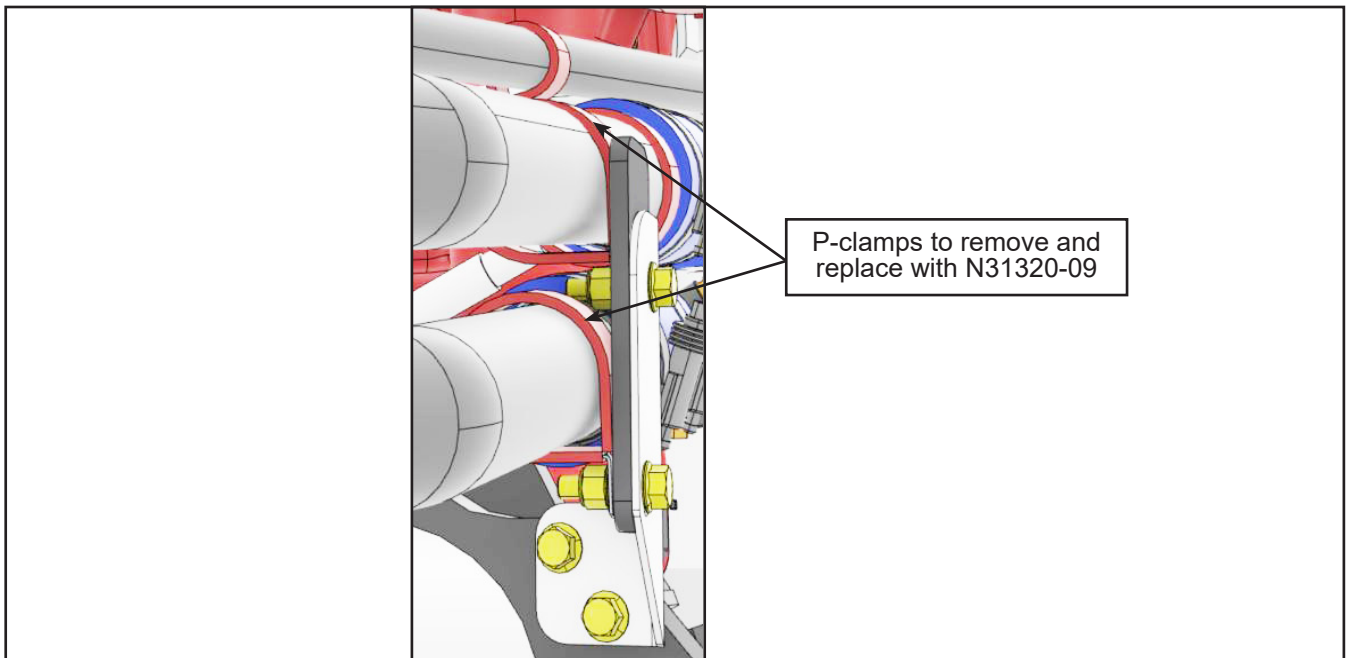


Figure 3 - P-clamps to Replace

1.10. The vehicle can return in service. ❖