

REFERENCE:	Nova Bus Manuals
SECTION:	14 Heating and Ventilation
RS N°:	MQR 7621-450, NC612
EFFECTIVE IN PROD.:	L668 (2012JN)

APPLICATION DEADLINE:
2013DE27

SUBJECT:	Return coolant line of the roof unit on HEV vehicles
JUSTIFICATION:	The isolation valve is absent on the refrigerant return line from the roof unit.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replace the hose without the isolation valve with a hose that includes the valve.	Nova Bus	Nova Bus	20 min
2	—	—	—	—

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	N69247	—	Hose with isolation valve	N59329
LEVEL 2				
—	—	—	—	—

Materials will be available within 31 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.

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	2012SE28	Initial release	Danielle Lacroix

APPROVED BY:

Karine Allonce

Digitally signed by Karine Allonce
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Date: 2012.11.26 11:56:22 -05'00'

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Connecticut Transit - Connecticut	L571	1066	1075	S92YXB4000144	S92Y4B4000169	10
Duke University - North Carolina	L651	—	—	S92Y1B4000145	S92Y3B4000146	2
Grand River Transit - GRT - Ontario	L599	—	—	L82X9B3000465	L82X2B3000467	3
Grand River Transit - GRT - Ontario	L631	—	—	L82X4B3000468	L82X2B3000470	3
Marketing Sales Demo - MSD 5	L619	—	—	L82X7C3000367	L82X7C3000367	1
Marketing Sales Demo - MSD Hybrid	L596	—	—	L82X2B3000212	L82X2B3000212	1

**WARNING**

Follow your internal safety procedures.

PROCEDURE

- 1.1. Partially drain the coolant circuit according to the heading **DRAINING THE PASSENGER COMPARTMENT CIRCUIT** in section 14-1: **HEATING AND A/C SYSTEM** of the Nova LFS maintenance manual.
- 1.2. Open the rear engine compartment door.
- 1.3. Locate the streetside refrigerant return hose to remove (see Figure 1).
- 1.4. Remove the hose by loosening the P-clamps (see Figure 2). Retain the hardware.

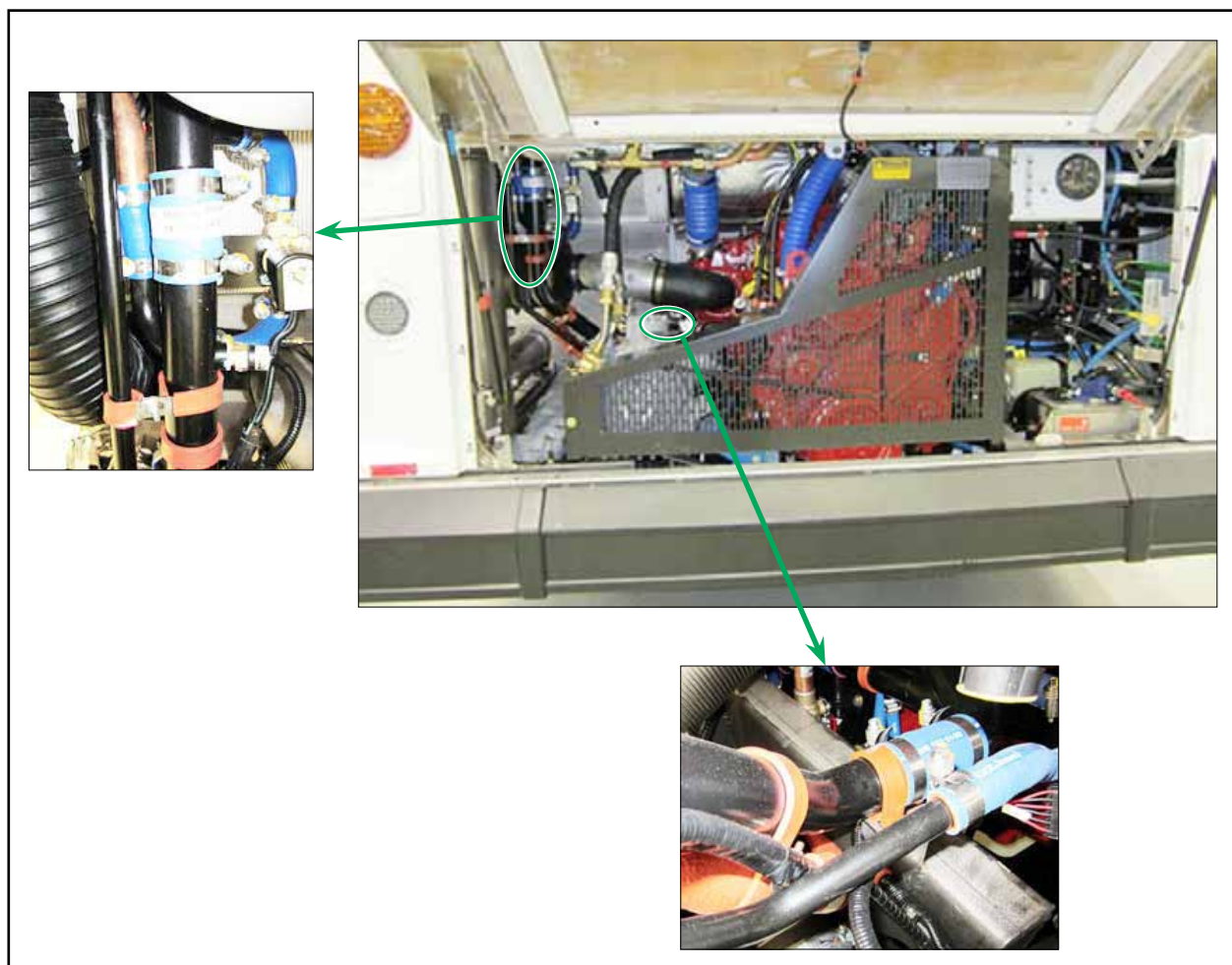


Figure 1 - Location of the Hose to Replace

- 1.5. Install the hose N69247 containing the valve using the retained hose clamps. Tighten the clamps to the torques indicated in Figure 3.

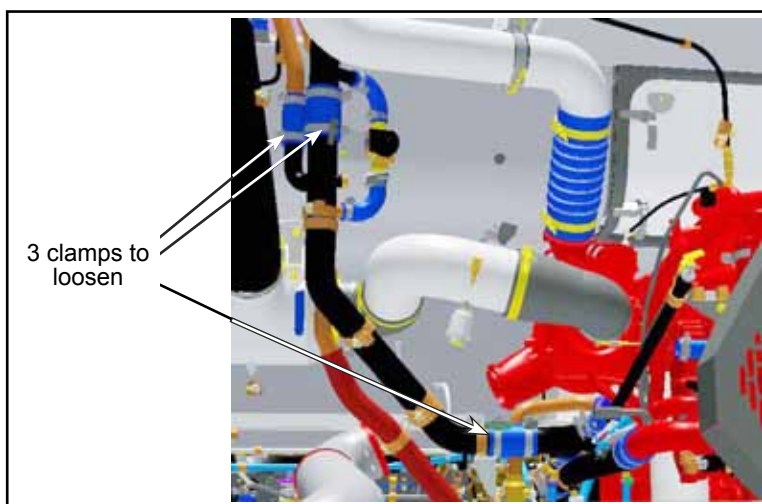


Figure 2 - Position of the Clamps to Loosen

- 1.6. Tighten the P-clamps.
- 1.7. Fill the circuit according to the heading **FILLING THE COOLING SYSTEM** in section 09-302: **ENGINE COOLING** of the Nova LFS maintenance manual.

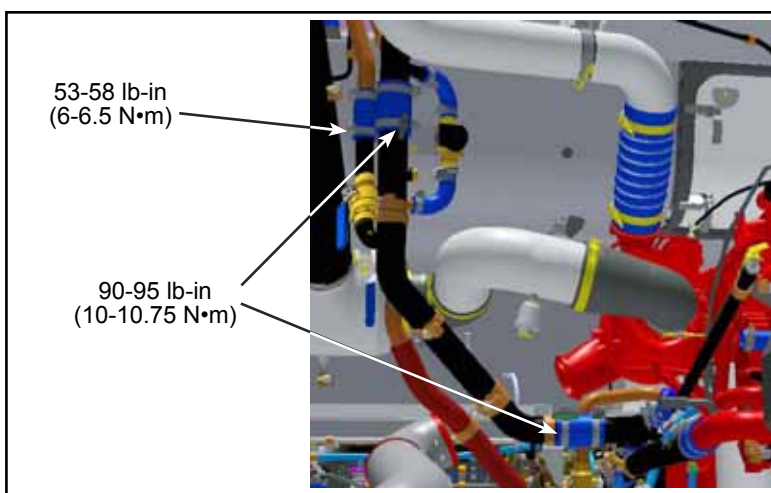


Figure 3 - Torques to Apply

- 1.8. Ensure that there are no leaks.
- 1.9. Close the rear engine compartment door. ❖