

REFERENCE:	Nova Bus Manuals
SECTION:	09: Engine and cooling
RS N°:	MQR 7621-805
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINE: 2016JN26  
CLAIM REFERENCE NUMBER: WB-3362

SUBJECT:	Surge tank filling
JUSTIFICATION:	Coolant filling of the radiator surge tank might be erratic and create air pockets

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install supply tube N80110-02 on the surge tank.	Nova Bus	Nova Bus	65 min
2	–	–	–	–

**MATERIAL**

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>				
1	N80110-02	A	Supply tube	–
<b>LEVEL 2</b>				
–	–	–	–	–

Materials will be available within 50 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](mailto: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	2015AL16	Initial release	Luc Carignan

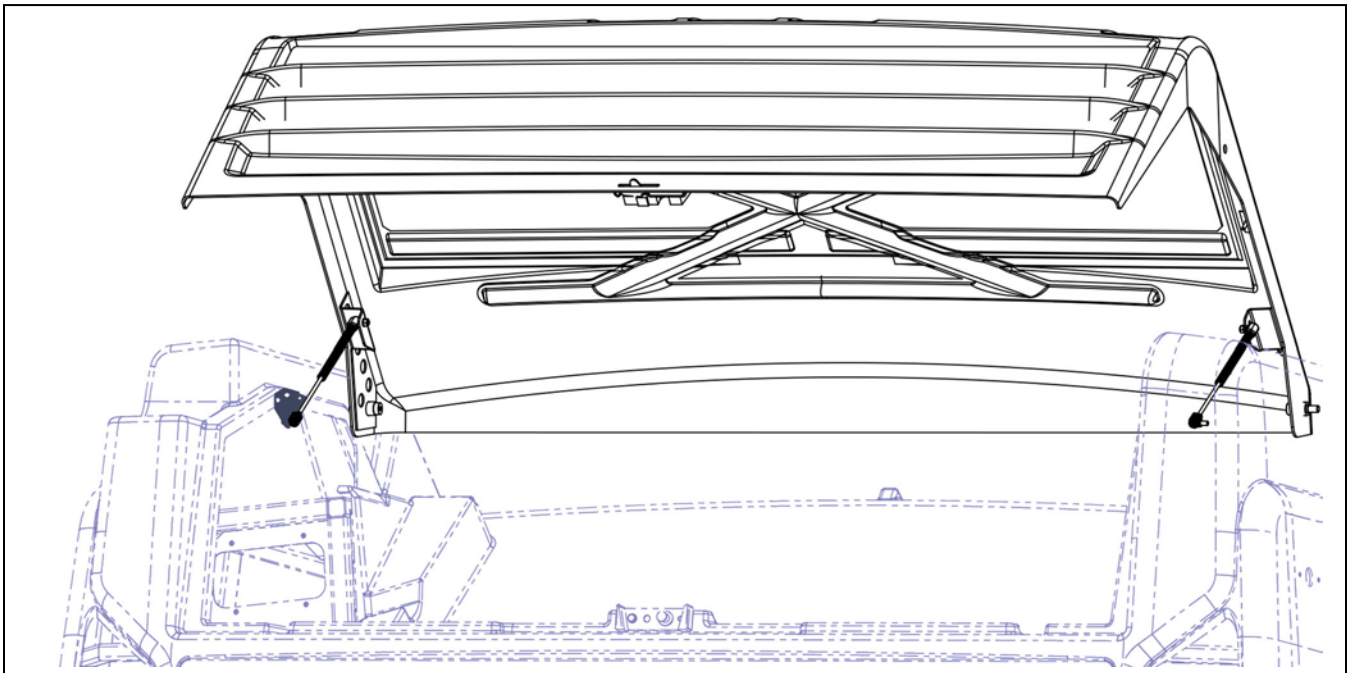
CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - New York	L608	8000	8014	L82U6B4000047	L82U0B4000061	15
New York City Transit - New York	L620	8015	8074	L82U2B4000062	L82U7B4000123	60
New York City Transit - New York	L643	5895	5895	S92U1B4000143	S92U1B4000143	1
New York City Transit - New York	L670	5770	5894	S92U9B4000147	S92UXC4500061	125
New York City Transit - New York	L681	5896	5283	S92U2C4500023	S92U9C4500195	122
New York City Transit - New York	L692	5284	5363	S92U3C4500158	S92U3D4500274	80

**WARNING**

Follow your internal safety procedures.

**PROCEDURE**

1.1. Open the radiator access door. See Figure 1.



*Figure 1 - Radiator Access Door*

**WARNING**

Before starting any work on the radiator, make sure the vehicle is completely stationary. Isolate the starting circuit from the control box located at the rear of the vehicle.

1.2. Open the rear engine door.

- 1.3. Press on the discharge valve knob located on the curb side portion of the engine compartment to release the pressure from the coolant system.

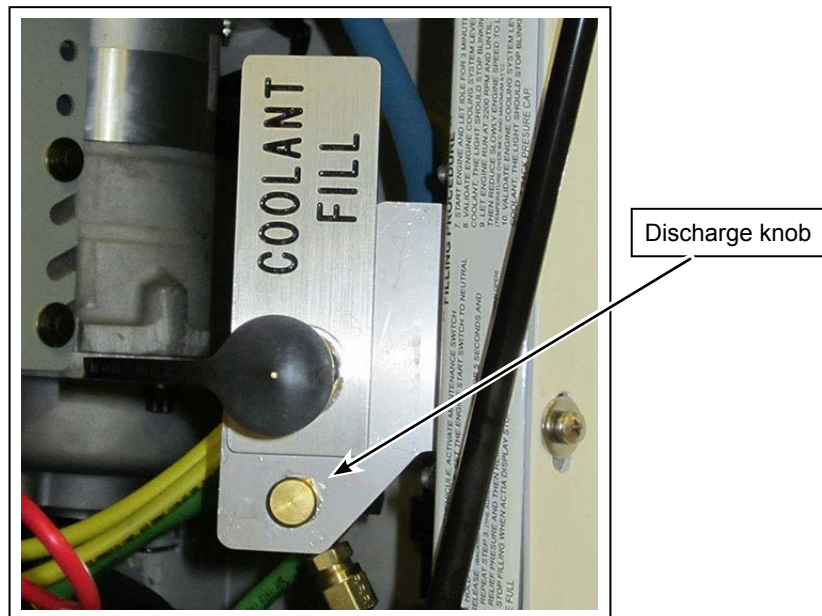


Figure 2 - Coolant Discharge Knob

- 1.4. Disconnect the supply hose from the adaptor of the surge tank. Remove and discard the adaptor.
- 1.5. Remove the protective caps and identification tag then apply a thin coat of thread sealant on the thread of the new N80110-02 supply tube fitting. See Figure 3.

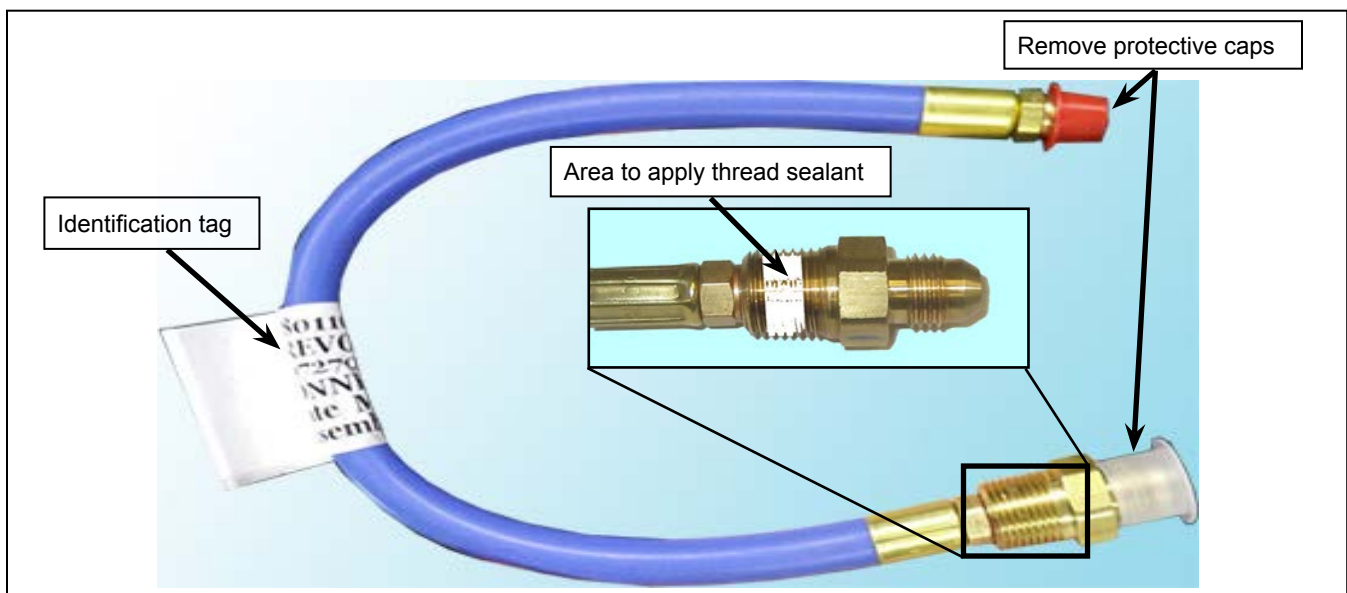


Figure 3 - New Supply Tube N80110-02

- 1.6. Install the new N80110-02 supply tube on the surge tank and connect the supply hose on the adaptor of the new supply tube. See Figure 4.
- 1.7. Topping of coolant might be required on some vehicles. Refer to section **09 : ENGINE COOLING** for the filling procedure.

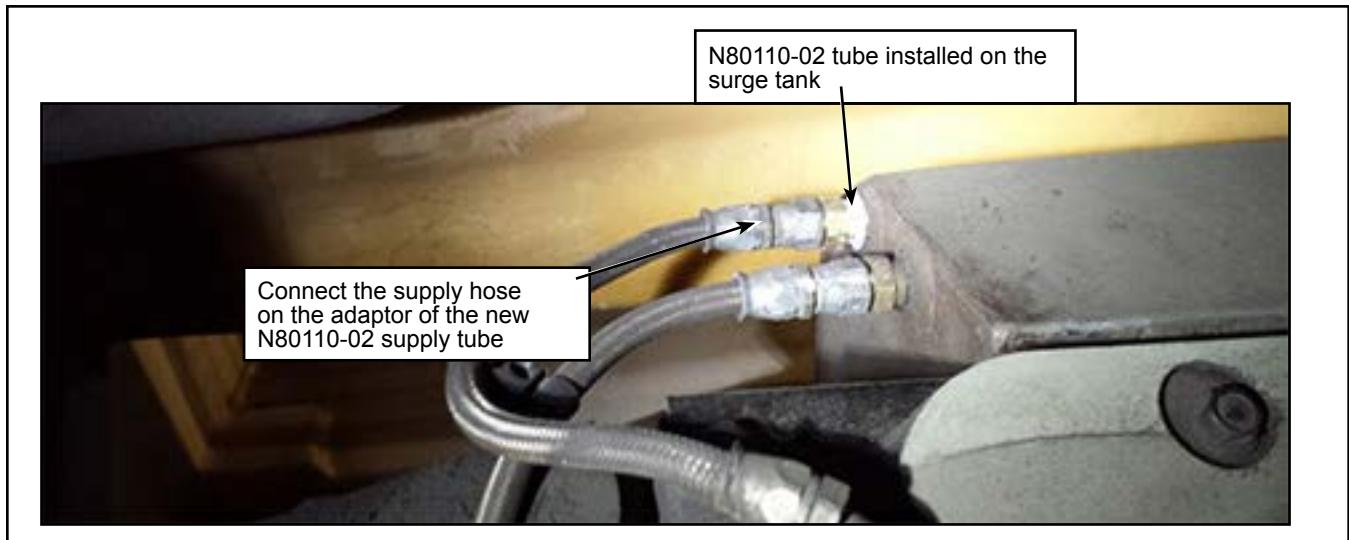


Figure 4 - Supply Tube N80110-02 Installed on Surge Tank

- 1.8. Connect an air hose equipped with a pressure regulator to the quick connect fitting and set the regulator to 16 psi. See Figure 5.
- 1.9. Close the intake control valve. See Figure 5.

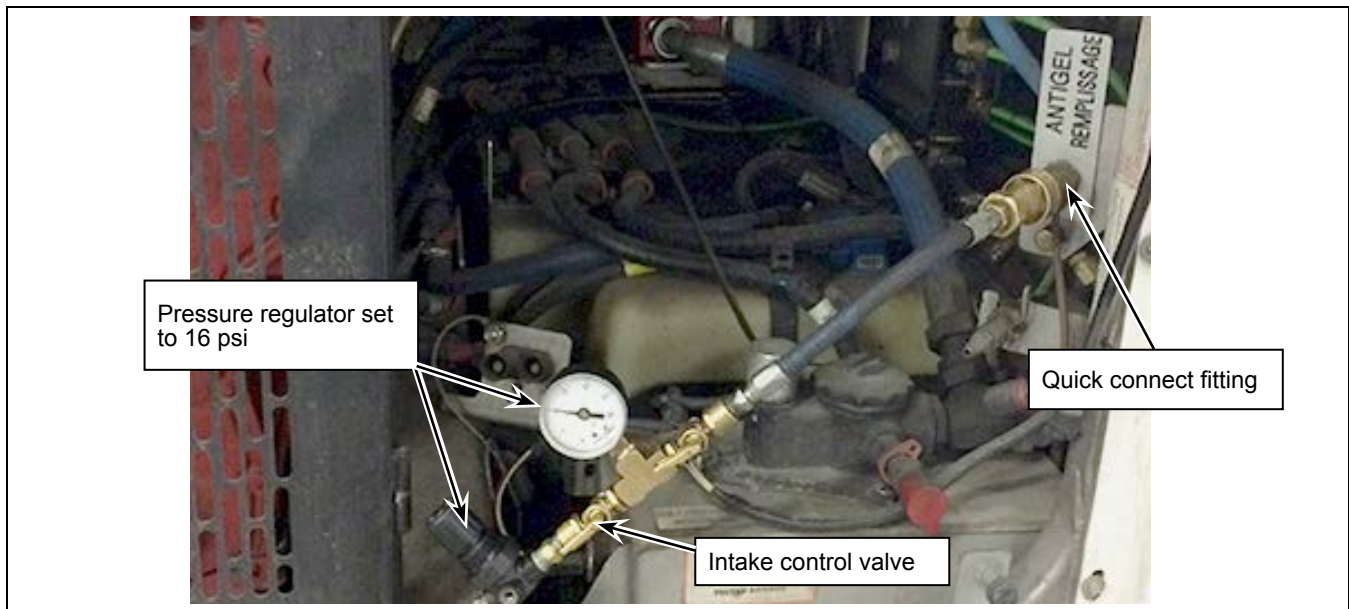


Figure 5 - Air Hose Equipped with a Pressure Regulator

- 1.10. If the pressure is lower than 15 psi after 15 to 20 minutes, inspect the coolant circuit for leaks. If the leak is found near a coolant clamp investigate and repair. If a leak is found elsewhere than near a coolant clamp notify the depot and the Novabus service representative.
- 1.11. Close the radiator access door and the rear engine door. ❖