

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

APPLICATION DEADLINE: 2017JA21
CLAIM REFERENCE NUMBER: WB-3457

SUBJECT:	Surge tank coolant supply
JUSTIFICATION:	Coolant supply to MK2 radiator might be erratic and create air pocket in radiator

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

MATERIAL

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

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. 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	2015DE04	Initial release	Luc Carignan

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Airdrie Transit - Alberta	L664	—	—	L82U2B3	L82U2B3	1
Airdrie Transit - Alberta	L759	—	—	L82U0D3	L82U0D3	1
Ames Transportation Agency - Iowa	L707	660	661	S92U5C4	S92U1C4	2
Austin - CMTA - Texas	L635	5001	5001	S92U7C4	S92U7C4	1
Austin - CMTA - Texas	L636	5002	5022	S92U1D4	S92U0D4	21
BC Transit - BCT - British Columbia	L604	9434	9434	L82U5C3	L82U5C3	1
BC Transit - BCT - British Columbia	L735	9435	9440	L82U4C3	L82U8C3	6
BC Transit - BCT - British Columbia	L736	9441	9446	L82U8D3	L82U7D3	6
Belleville Transit - Ontario	L655	—	—	L82U3B3	L82U3B3	1
Belleville Transit - Ontario	L702	—	—	L82U4D3	L82U4D3	1
Bow Valley Transit - Alberta	L712	5	6	L82U6C3	L82U8C3	2
Brantford - Ontario	L663	10121	10121	L82U1B3	L82U1B3	1
Brantford - Ontario	L718	10123	10125	L82U5C3	L82U9C3	3
Calgary Transit - Alberta	L637	8161	8180	L82U7B3	L82U2B3	20
Calgary Transit - Alberta	L709	8181	8200	L82UXC3	L82U3C3	20
Clemson Area Transit - South Carolina	L617	—	—	S92U5C4	S92U5C4	1
Clemson Area Transit - South Carolina (ref. L641)	L722	—	—	L82U1C4	L82U5C4	5
CMBC (TransLink) - British Columbia	L533	9568	9573	L82U993	L82U093	6
Duke University - North Carolina (ref. L703)	L641	—	—	L82U9C4	L82U1C4	8
Fredericton - New Brunswick	L672	8111	8112	L82U0B3	L82U2B3	2
Fredericton - New Brunswick	L688	8113	8113	L82U8C3	L82U8C3	1
Grand River Transit - GRT - Ontario	L633	21101	21115	L82U7B3	L82U8B3	15
Grand River Transit - GRT - Ontario	L668	21201	21220	L82U6C3	L82UXC3	20
Greater Toronto Airports Authority - GTAA - Ontario	L616	—	—	L82U4C4	L82U4C4	1
Guelph - Ontario	L669	225	228	L82U9B3	L82U4B3	4
Guelph - Ontario	L715	234	235	L82U3C3	L82U5C3	2
Halifax - Nova Scotia	L693	526	534	L82U8C3	L82U7C3	9
Halifax - Nova Scotia	L708	742	761	L92UXC3	S92U3C3	20
Halifax - Nova Scotia	L710	1160	1161	L82U7C3	L82U9C3	2
Houston - Texas	L737	1510	1510	S92U4D4	S92U4D4	1
Houston - Texas	L755	1511	1579	S92U4D4	S92U8D4	69
Krapf's Coaches - Pennsylvania (ref. L833)	L754	—	—	L82U4D4	L82U4D4	1
Krapf's Coaches - Pennsylvania (ref. L833)	L754	—	—	L82U4D4	L82U4D4	1
Marketing Sales Demo - MSD 6 Houston	L628	—	—	L82U8C4	L82UXC4	2
Minnesota Valley Transit Authority - MVTA	L706	4252	4258	L82U4C4	L82UXC4	7
Moncton (Codiac) - New Brunswick	L569	—	—	L82U4B4	L82U4B4	1
Niagara Falls - Ontario	L652	—	—	S92U3C3	S92U6C3	11
Niagara Falls - Ontario	L653	—	—	L82U9C3	L82U9C3	5
Niagara Parks Commission - Ontario	L656	—	—	L82U0C3	L82U2C3	2
Niagara Parks Commission - Ontario	L685	—	—	S92U9C3	S92U8C3	9
Red Deer - Alberta	L726	—	—	L82UXC3	L82U1C3	2

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Regina - Saskatchewan	L639	645	654	L82U1B3	L82U2B3	10
Regina - Saskatchewan	L748	655	662	L82U3D3	L82U0D3	8
Saskatoon - Saskatchewan	L568	—	—	S92U9B3	S92U9B3	1
Saskatoon - Saskatchewan	L618	—	—	S92U1C3	S92U1C3	1
Saskatoon - Saskatchewan	L690	1201	1204	L82U6C3	L82U1C3	4
Sault Ste-Marie Transit Services - Ontario (ref. L686)	L641	135	139	L82U7C4	L82U6C4	5
Sault Ste-Marie Transit Services - Ontario (ref. L751)	L754	—	—	L82U7D4	L82U7D4	1
Sault Ste-Marie Transit Services - Ontario (ref. L751)	L754	—	—	L82U7D4	L82U7D4	1
St. John's - Newfoundland	L687	1201	1209	L82U7C3	L82U2C3	9
St. John's - Newfoundland	L731	1310	1314	L82U3C3	L82U2C3	5
Stratford - Ontario	L634	—	—	L82UXB3	L82UXB3	1
Stratford - Ontario	L752	—	—	L82U9D3	L82U9D3	1
Strathcona County Transit - Alberta	L659	2024	2028	L82U7B3	L82U4B3	5
Sudbury - Ontario	L632	811	817	L82U9B3	L82U4B3	7
Sudbury - Ontario	L740	831	833	L82U1D3	L82U5D3	3
Thunder Bay - Ontario	L662	20168	20168	L82U3B3	L82U7B3	3
Thunder Bay - Ontario	L739	—	—	L82U3D3	L82U7D3	3
Timmins - Ontario	L661	—	—	L82U9B3	L82U9B3	1
Timmins - Ontario	L720	12-98	12-98	L82U0C3	L82U0C3	1
Toronto Transit Commission - TTC - Ontario	L729	9000	9000	S92U9D30	S92U9D3	1
Toronto Transit Commission - TTC - Ontario	L738	9001	9026	S92J6D3	S92J7D3	26
University of Alabama - Alabama	L640	—	—	L82U9B4	L82U0B4	2
University of Alabama - Alabama	L671	7024	7025	L82U5C4	L82U1C4	2
University of Alabama - Alabama	L727	7026	7027	L82U4D4	L82U6D4	2
University of Colorado - Colorado	L627	—	—	S92UXB4	S92U6B4	2
York Regional Transit - Ontario	L654	1370	1390	S92U1D3	S92U2D3	21
York Regional Transit - Ontario	L761	1391	1396	S92U6D3	S92UXD3	6

**WARNING**

Follow your internal safety procedures.

PROCEDURE

**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 switch in the off position.

- 1.1. Open the rear engine door.
- 1.2. Press on the discharge valve located on the curb side portion of the engine compartment to release the pressure from the coolant system. See Figure 1.

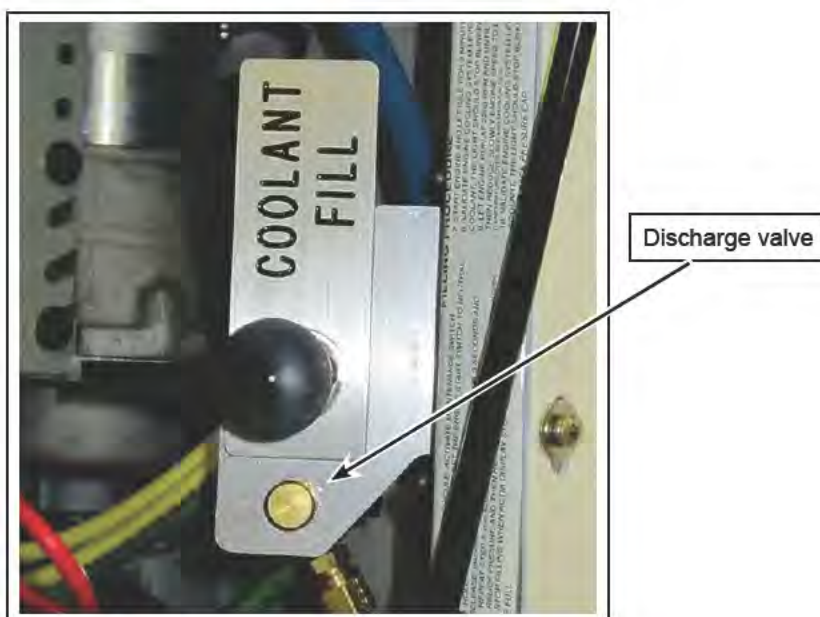


Figure 1 - Coolant Discharge Valve

- 1.3. From the top of the vehicle remove the front radiator grille. Retain the grille and hardware. See Figure 2.
- 1.4. Open the rear radiator access door and remove the top radiator grille. Retain the grille and hardware. See Figure 2.

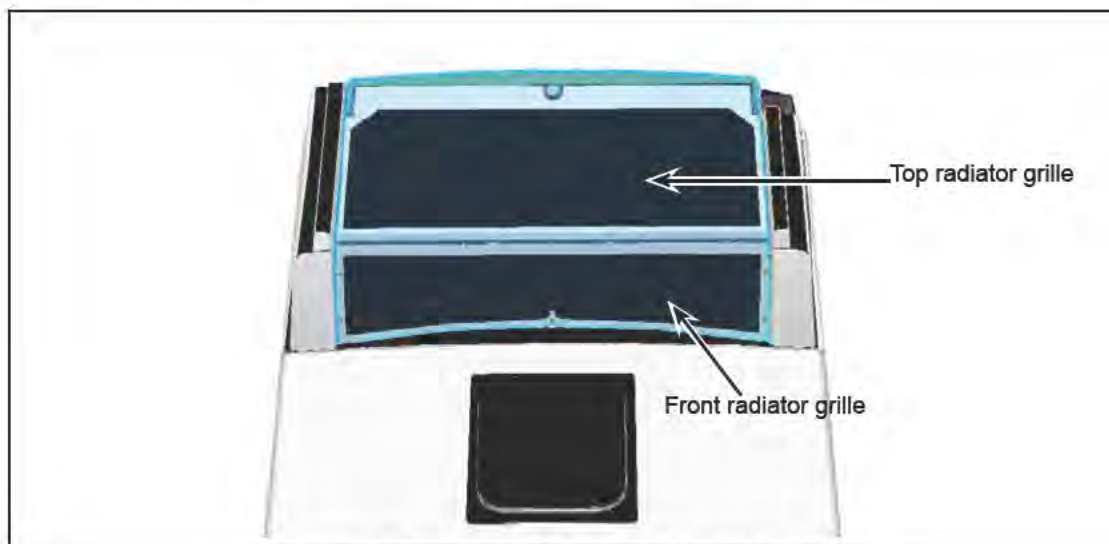


Figure 2 - Rear and Top Radiator Grilles to Remove

- 1.5. Close the rear radiator access door.
- 1.6. Disconnect the left and right coolant supply hoses from the surge tank and remove the JYC fitting adaptor. See Figure 3.

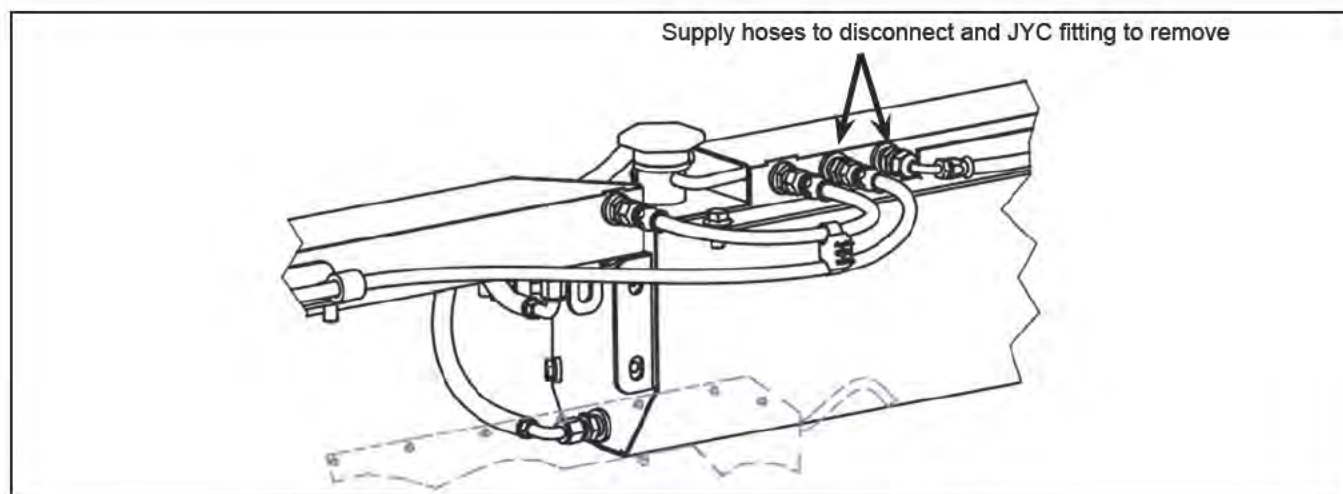


Figure 3 - Supply Hose to Disconnect and JYC Fitting to Remove

- 1.7. Remove the protective caps and identification tags then apply a thin coat of thread sealant on the threads of the 2 new N80110-02 supply tubes fitting. See Figure 4.

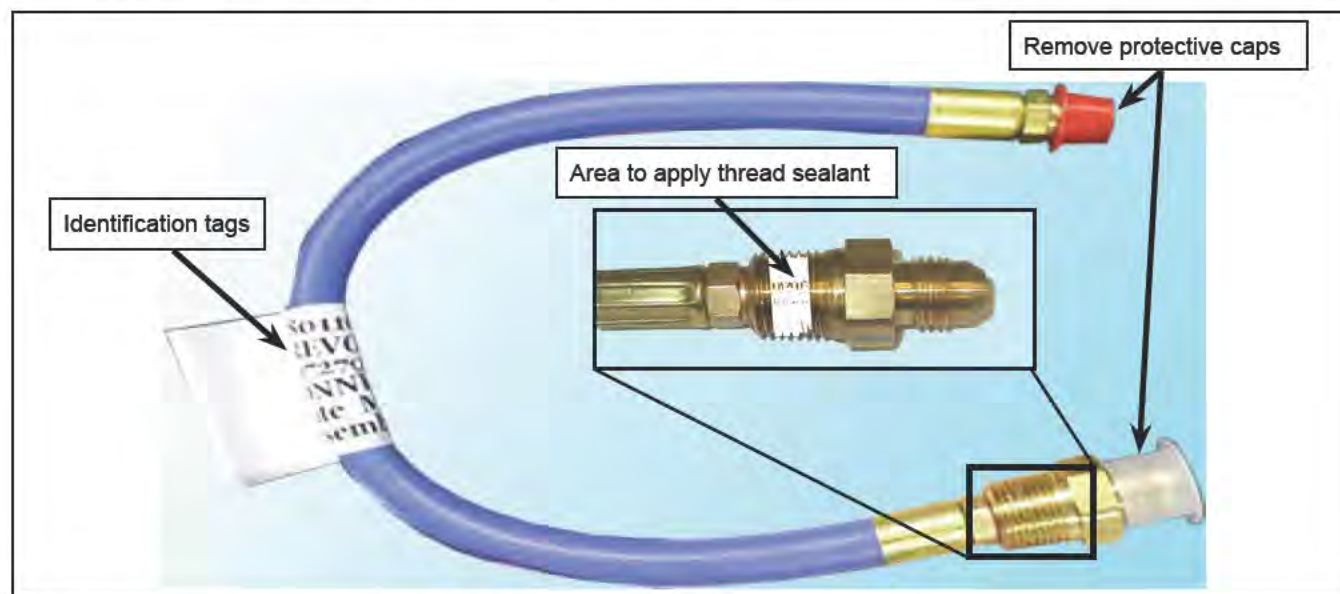


Figure 4 - Preparation of Tubes N80110-02

- 1.8. Hand tighten the new N80110-02 supply tubes on the surge tank and, with a wrench, make 1/2 of a turn to fully tighten.
- 1.9. Hand tighten the supply hose on the supply tube adaptor and, with a wrench, make 1/8 of a turn to fully tighten.
- 1.10. Open the rear radiator access door and install the retained top radiator grille and hardware. See Figure 5 for torque value.
- 1.11. Close the rear radiator access door.
- 1.12. Install the retained front radiator grille and hardware. See Figure 5 for torque value.
- 1.13. Topping of coolant might be required on some vehicles. Refer to section 09: ENGINE COOLING for the filling procedure. ❖

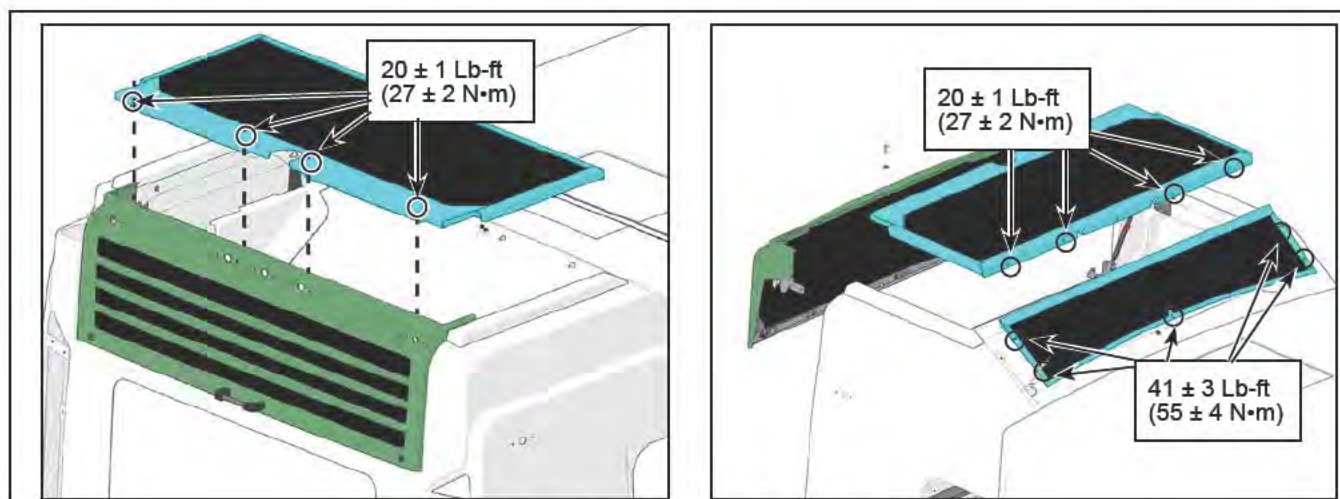


Figure 5 - Torque Value of the Radiator Grille Bolts