

REFERENCE:	Nova Bus Manuals
SECTION:	11 DPF with SCR exhaust system
RS N°:	MQR 7621-241
EFFECTIVE IN PROD.:	—

APPLICATION DEADLINE:NA N/A

SUBJECT:	Maintenance of DEF reservoir cap (membrane and no membrane)
JUSTIFICATION:	The crystallization of urea creates leaks and venting odors, and dirt may enter the reservoir.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Procedure to remove crystallization build-up and dirt on the cap and filler neck.	Client	Client	5 min
2	—	—	—	—

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
—	—	—	—	—
LEVEL 2				
—	—	—	—	—

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	—
	—	—	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2011MR29	Initial release TB-2472 procedure	Wilder Galiano
R1	2014NO21	New cleaning procedure TB-2805 Rev-B for the DEF reservoir membrane cap as well as the no membrane cap.	Wilder Galiano

APPROVED BY:

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Belleville Transit - Ontario	L598	—	—	L82U5A3000581	L82U7A3000582	2
Calgary Transit - Alberta	L601	8101	8114	L82U5A4000099	L82U4A4000112	14
Calgary Transit - Alberta	L607	8115	8130	L82UXA3000477	L82U6A3000492	16
Calgary Transit - Alberta	L615	8131	8158	L82U1B4000019	L82U4B4000046	28
Calgary Transit - Alberta	L624	—	—	L82U4B4000077	L82U6B4000078	2
CT Transit - Connecticut	L554	1041	1054	S92U1A4000139	S92U4A4000152	14
CT Transit - Connecticut	L554	1055	1065	S92U8A4000154	S92U0A4000164	11
Guelph - Ontario	L579	221	224	L82UXA3000401	L82U5A3000404	4
Halifax - Nova Scotia	L558	717	731	S92UXA3000293	S92U6A3000307	15
Halifax - Nova Scotia	L613	732	741	S92UXB3000019	S92UXB3000028	10
Kings Transit - Kentville, Nova Scotia	L581	—	—	L82U2B3000054	L82U2B3000054	1
Moncton (Codiac) - New Brunswick	L569	—	—	L82U4B4000001	L82U4B4000001	1
Moncton (Codiac) - New Brunswick	L570	—	—	L82U6B4000002	L82U6B4000002	1
New York City Transit - NYCT - New York	L608	8000	8014	L82U6B4000047	L82U0B4000061	15
New York City Transit - NYCT - New York	L620	8015	8029	L82U2B4000062	L82U2B4000076	15
New York City Transit - NYCT - New York	L620	8030	8074	L82U8B4000079	L82U7B4000123	45
Saskatoon - Saskatchewan	L568	—	—	S92U9B3000013	S92U9B3000013	1
Strathcona County Transit - Alberta	L580	2011	2023	L82U1A3000464	L82U8A3000476	13
Thunder Bay - Ontario	L614	—	—	L82UXB3000061	L82U3B3000063	3
York Regional Transit - Ontario	L572	1083	1094	S92U3A3000569	S92U2A3000580	12
York Regional Transit Ontario	L562	1080	1082	S92U2A3000420	S92U6A3000422	3

**WARNING**

Follow your internal safety procedures.

PROCEDURE

Cleaning the cap will prevent crystallization build-up and Minimize venting-related issues. This procedure should be performed monthly for vehicles operating under normal conditions. If there are signs of DEF crystal and/or dirt build up on the cap, this procedure should be performed.

- 1.1. Open the DEF reservoir access door. See Figure 1.
- 1.2. Remove the DEF reservoir cap.

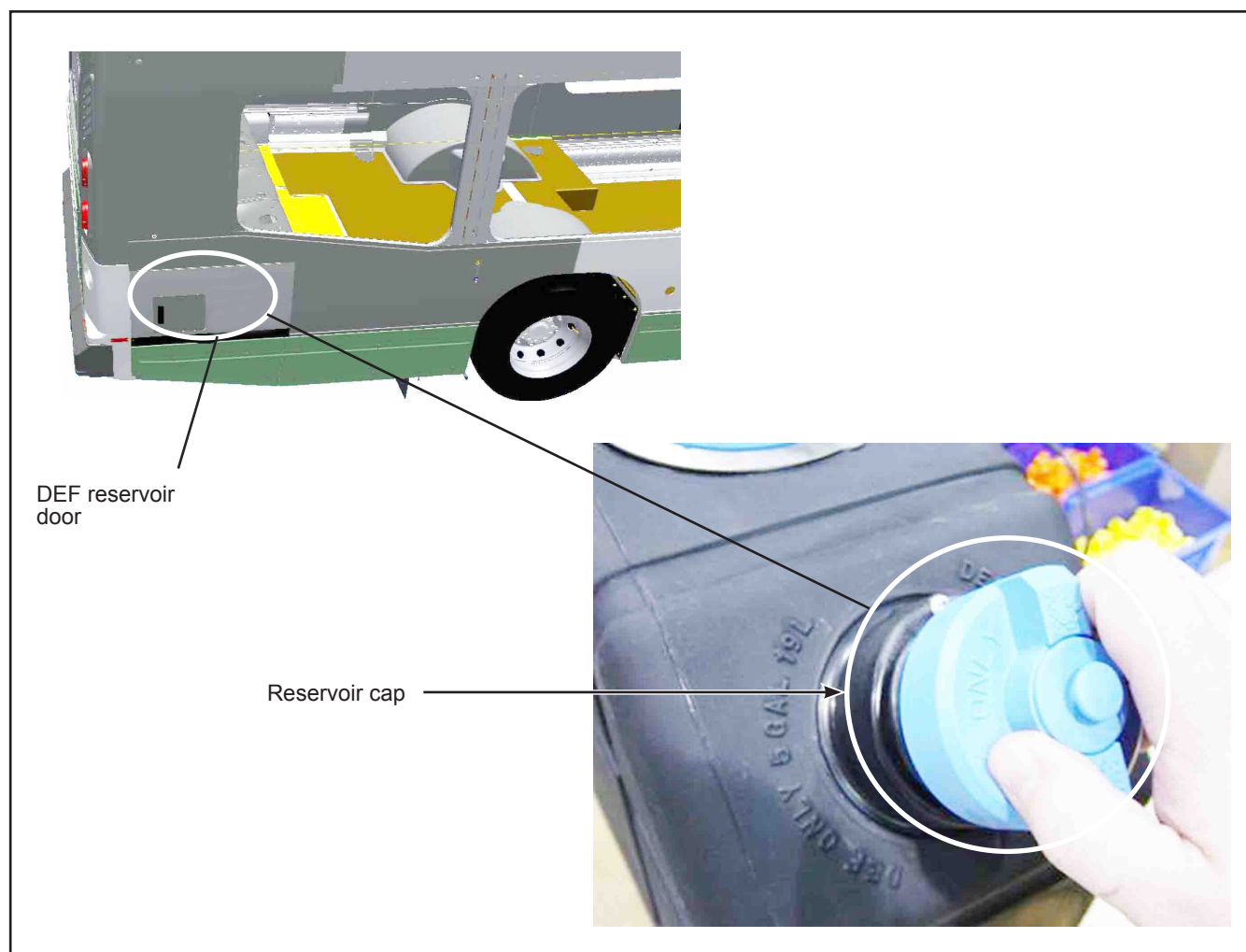


Figure 1 - Cap Location

- 1.3. Place the cap in a pan with water for approximately five minutes. See Figure 2 for the maximum water level.

Full immersion in water may affect the venting capability.

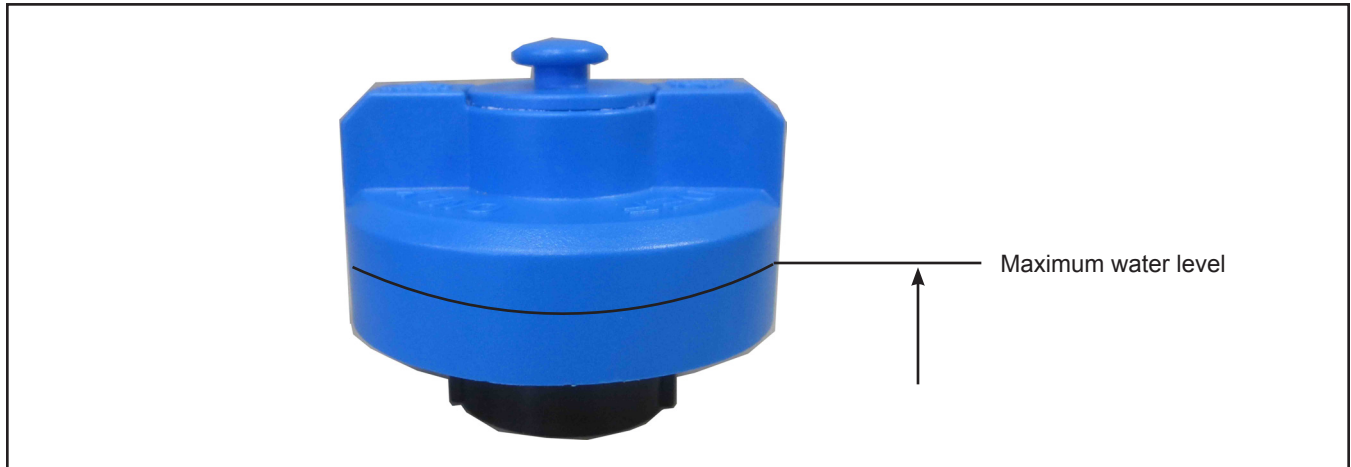


Figure 2 - Maximum Water Level

- 1.4. Remove the cap from the water pan and shake to remove excess water.

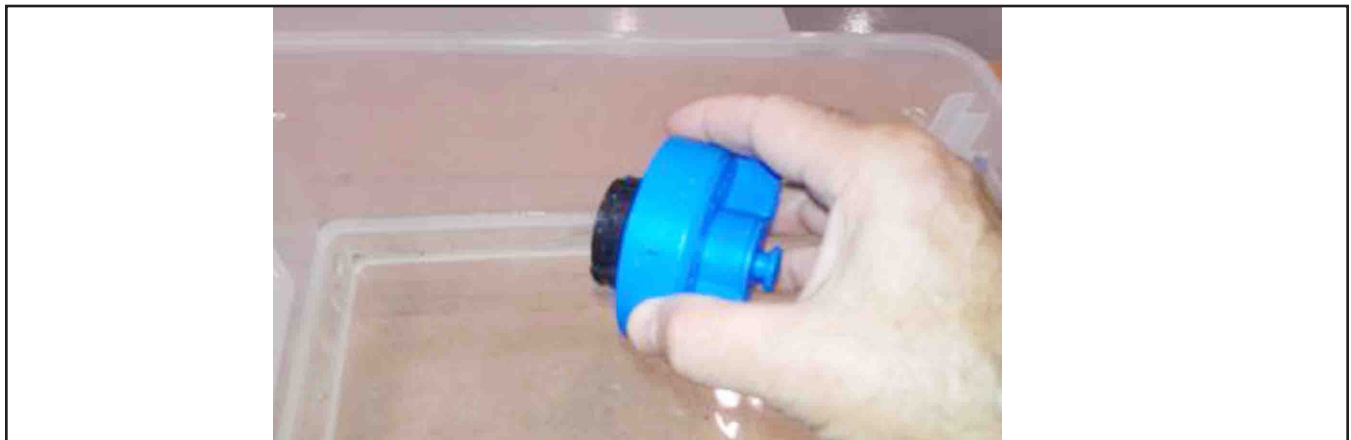


Figure 3 - Remove and Shake Cap

- 1.5. Clean the cap with a damp cloth to remove any residual DEF crystals and dirt.

Do not use compressed air to clean the cap.



Figure 4 - Clean Cap

- 1.6. Clean the fill port adapter with a damp cloth to remove any residual DEF crystals and dirt.



Figure 5 - Clean Fill Port Adapter

- 1.7. Align the cap with the fill port adapter and tighten it.



Figure 6 - Cap Installation

- 1.8. Close the DEF reservoir access door.❖