

REFERENCE:	Nova Bus Manuals
SECTION:	11: Exhaust System
RS N°:	MQR 7621-1666
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINE:N/A

SUBJECT:	DEF tank GEN4
JUSTIFICATION:	DEF GEN4 tank, tank head and sensor will no longer be available in service

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	DEF tank, tank Head and sensor GEN4 are now replaced by equivalent DEF GEN5 parts	Client	Client	N/A
2	When installing for the first time a N8910051 DEF tank Head unit GEN5 the adapter harness N8910901 is required	Client	Client	N/A

**MATERIAL**

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>				
1	N8910051	–	DEF tank Head Unit GEN5	N8898620 N8900882
1	N8910053	–	DEF tank GEN5	N56869 N74709 N79691 N80812
1	N8910052	–	DEF sensor GEN5	N8900883
<b>LEVEL 2</b>				
1	N8910901	–	Harness to adapt the new Head Unit	–

To order, please contact [novabus.parts@volvo.com](mailto: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
	–	–

**REVISION HISTORY**

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2022AL20	Initial release	Luc Carignan
R1	2022JN01	Level 2 description change (Adapter harness P/N)	Luc Carignan
R2	2023AL20	Order added in Client List Replacement parts added for GEN4 DEF tank and sensor. Modification to justification and description.	Luc Carignan

APPROVED BY:

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Symbol	Meaning
Empty Field	No changes, the procedure applies
+	Contract added, the procedure applies
-	Contract removed, the procedure does not apply

SYM	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
+	Airdrie Transit - Alberta	L664	—	—	L82U2B3000507	L82U2B3000507	1
+	Austin - CMTA - Texas	L635	5001	5001	S92U7C4500163	S92U7C4500163	1
+	Austin - CMTA - Texas	L636	5002	5022	S92U1D4500306	S92U0D4500328	21
	Austin - CMTA - Texas	L704	5051	5068	L82J7E4500471	L82J2E4500488	18
	Barrie Ontario - Metrolinx	L878	1501	1504	L82JXF3001691	L82J6F3001719	4
+	BC Transit - BCT - British Columbia	L604	9434	9434	L82U5C3000597	L82U5C3000597	1
	BC Transit - BCT - British Columbia	L858	9447	9481	L82JXE3001401	L82J5F3001436	35
	BC Transit - BCT - British Columbia	L891	—	—	L82J5F3001565	L82J2F3001569	5
	Belleville Ontario (ref. L962)	L840	8092	8092	L82J9E4500715	L82J9E4500715	1
+	Belleville Transit - Ontario	L598	—	—	L82U5A3000581	L82U7A3000582	2
+	Belleville Transit - Ontario	L655	—	—	L82U3B3000385	L82U3B3000385	1
+	Belleville Transit - Ontario	L702	—	—	L82U4D3000706	L82U4D3000706	1
	Brampton - Ontario	L789	1401	1408	L82J4E3001216	L82J1E3001223	8
	Brampton - Ontario	L816	1409	1415	L82J3E3001224	L82J9E3001230	7
	Brampton - Ontario	L864	1501	1510	L82JXF3001500	L82J6F3001509	10
	Brampton - Ontario	L865	1511	1519	L82JXF3001514	L82J9F3001522	9
+	Brantford - Ontario	L663	10121	10121	L82U1B3000532	L82U1B3000532	1
	Brantford - Ontario	L775	10131	10132	L82U1D3000999	L82U2D3001000	2
	Brantford - Ontario	L928	10151	10153	L82J7F3001793	L82J0F3001795	3
	Burlington - Ontario	L887	7017-15	7025-15	L82J7F3001681	L82J8F3001723	9
+	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
+	Calgary Transit - Alberta	L637	8161	8180	L82U7B3000356	L82U2B3000376	20
+	Central Oklahoma Transportation Authority	L619	—	—	L82X7C3000367	L82X7C3000367	1
	Chicago Transit Authority - CTA - Illinois	L773	—	—	L82JXD4500429	L82J6D4500430	2
	Chicago Transit Authority - CTA - Illinois	L811	7902	7949	L82J6E4500509	L82J4E4500556	48
	Chicago Transit Authority - CTA - Illinois	L837	7950	7999	L82J6E4500655	L82J1E4500708	50
	Chicago Transit Authority - CTA - Illinois	L847	8000	8049	L82J1E4500773	L82JXE4500822	50
	Chicago Transit Authority - CTA - Illinois	L848	8050	8099	L82JXF4500823	L82J1F4500872	50
	Chicago Transit Authority - CTA - Illinois	L849	8100	8149	L82J5F4500874	L82J3F4500923	50
	Chicago Transit Authority - CTA - Illinois	L850	8150	8199	L82J5F4500924	L82J6G9775013	50
+	Clemson Area Transit - South Carolina	L617	—	—	S92U5C4500002	S92U5C4500002	1
	Clemson Area Transit - South Carolina	L769	—	—	S92U1D4500418	S92U1D4500418	1
	CNG Demo (ref. L957)	L840	8093	8093	L82J0E4500716	L82J0E4500716	1
	Cornwall Ontario - Metrolinx	L935	—	—	L82J3F3001838	L82J5F3001839	2

SYM	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
+	CT Transit - Connecticut	L554	1041	1065	S92U1A4000139	S92U0A4000164	25
+	CT Transit - Connecticut	L571	1101	1110	S92YXB4000144	S92Y4B4000169	10
	CT Transit - Connecticut	L814	1462	1473	S92LXE4500717	S92L4E4500728	12
	CT Transit - Connecticut	L815	1426	1429	S92L0E4500709	S92L0E4500712	4
+	Duke University - North Carolina	L651	—	—	S92Y1B4000145	S92Y3B4000146	2
+	Duke University - North Carolina (ref. L703)	L641	—	—	L82U9C4500012	L82U1C4500022	8
	Durham Region Transit Ontario - Metrolinx	L872	8551	8553	L82J0F3001523	L82J4F3001525	3
	Durham Region Transit Ontario - Metrolinx	L888	8554	8559	L82J2F3001703	L82J1F3001708	6
+	Fredericton - New Brunswick	L672	8111	8112	L82U0B3000540	L82U2B3000541	2
+	Fredericton - New Brunswick	L688	8113	8113	L82U8C3000643	L82U8C3000643	1
	Fredericton - New Brunswick	L774	8131	8131	L82U7D3000960	L82U7D3000960	1
	Fredericton - New Brunswick	L812	—	—	L82J4E3001202	L82J4E3001202	1
	Fredericton - New Brunswick	L836	8143	8143	L82J9E3001390	L82J9E3001390	1
	Fredericton - New Brunswick	L901	8151	8151	L82J7F3001602	L82J7F3001602	1
+	Grand River Transit - GRT - Ontario	L599	21116	21118	L82X9B3000465	L82X2B3000467	3
+	Grand River Transit - GRT - Ontario	L631	21119	21121	L82X4B3000468	L82X2B3000470	3
+	Grand River Transit - GRT - Ontario	L633	21101	21115	L82U7B3000289	L82U8B3000303	15
+	Grand River Transit - GRT - Ontario	L668	21201	21220	L82U6C3000737	L82UXC3000756	20
	Grande Prairie Alberta	L834	—	—	L82J7E3001386	L82J2E3001389	4
+	Greater Toronto Airports Authority - GTAA - Ontario	L616	—	—	L82U4C4500001	L82U4C4500001	1
+	Guelph - Ontario	L579	221	224	L82UXA3000401	L82U5A3000404	4
+	Guelph - Ontario	L669	225	228	L82U9B3000536	L82U4B3000539	4
	Guelph - Ontario	L767	237	239	L82UXD3000967	L82U3D3000969	3
	Guelph - Ontario	L835	240	243	L82J0E3001391	L82J6E3001394	4
	Guelph - Ontario	L927	244	247	L82J1F3001756	L82J9F3001763	4
+	Halifax - Nova Scotia	L558	717	731	S92UXA3000293	S92U6A3000307	15
+	Halifax - Nova Scotia	L613	732	741	S92UXB3000019	S92UXB3000028	10
+	Halifax - Nova Scotia	L693	526	534	L82U8C3000657	L82U7C3000665	9
+	Kings Transit - Nova Scotia	L581	—	—	L82U2B3000054	L82U2B3000054	1
	Kingston - Ontario Metrolinx	L880	1502	1502	L82JXF3001786	L82JXF3001786	1
	Kingston - Ontario Metrolinx	L925	1504	1510	L82J5F3001808	L82J5F3001811	4
	Lethbridge - Alberta	L868	—	—	L82J2F3001510	L82J2F3001510	1
	LYNX - Florida	L785	—	—	S92L6E4500505	S92L8E4500506	2
+	Marketing Sales Demo - MSD 6 Houston	L628	—	—	L82U8C4500003	L82UXC4500004	2
+	Moncton (Codiac) - New Brunswick	L569	—	—	L82U4B4000001	L82U4B4000001	1
+	Moncton (Codiac) - New Brunswick	L570	—	—	L82U6B4000002	L82U6B4000002	1
	MTD - Santa Barbara, California	L730	—	—	S92J8E4500567	S92J1E4500569	3
+	New York City Transit - NYCT	L608	8000	8014	L82U6B4000047	L82U0B4000061	15
+	New York City Transit - NYCT	L620	8015	8074	L82U2B4000062	L82U7B4000123	60
+	New York City Transit - NYCT	L621	8075	8089	L82U9B4000124	L82U9B4000138	15
+	New York City Transit - NYCT	L643	5895	5895	S92U1B4000143	S92U1B4000143	1
+	New York City Transit - NYCT	L670	5770	5894	S92U9B4000147	S92UXC4500061	125
+	New York City Transit - NYCT	L681	5896	5283	S92U2C4500023	S92U9C4500195	122
+	New York City Transit - NYCT	L692	5284	5363	S92U3C4500158	S92U3D4500274	80

SYM	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
	New York City Transit - NYCT	L841	8094	8134	L82J2F4500959	L82JXF4501034	41
	New York City Transit - NYCT	L841	8184	8206	L82J1F4501035	L82J0F4501057	23
	New York City Transit - NYCT	L841	8252	8269	L82J2F4501058	L82J2F4501075	18
	New York City Transit - NYCT	L842	8090	8093	L82J4F4501076	L82JXF4501079	4
	New York City Transit - NYCT	L842	8207	8213	L82J6F4501161	L82J7F4501170	7
	New York City Transit - NYCT	L842	8399	8408	L82J6F4501080	L82J2F4501089	10
	New York City Transit - NYCT	L842	8318	8332	L82J9F4501090	L82J7F4501105	15
	New York City Transit - NYCT	L842	8359	8373	L82J9F4501106	L82J3F4501120	15
	New York City Transit - NYCT	L842	8409	8432	L82J5F4501121	L82JXF4501146	24
	New York City Transit - NYCT	L842	8481	8491	L82J1F4501147	L82J8F4501159	11
	New York City Transit - NYCT	L843	8135	8153	L82J5F4501197	L82J9F4501221	19
	New York City Transit - NYCT	L843	8214	8230	L82J9F4501171	L82J1F4501195	17
	New York City Transit - NYCT	L843	8270	8293	L82J0F4501222	L82J7F4501251	24
	New York City Transit - NYCT	L843	8333	8347	L82J9F4501252	L82J1G9775016	15
	New York City Transit - NYCT	L843	8374	8380	L82J3G9775017	L82J9G9775023	7
	New York Demo	L840	8091	8091	L82J5E4500714	L82J7E4500714	1
+	Niagara Falls - Ontario	L652	—	—	S92U3C3000607	S92U6C3000617	11
+	Niagara Falls - Ontario	L653	—	—	L82U9C3000618	L82U9C3000621	5
	Niagara Falls - Ontario	L771	1396	1397	L82U9D3000958	L82U0D3000959	2
+	Niagara Parks Commission - Ontario	L656	—	—	L82U0C3000653	L82U2C3000654	2
+	Niagara Parks Commission - Ontario	L685	—	—	S92U9C3000644	S92U8C3000652	9
	North Bay - Ontario	L895	784	785	L82J7F3001678	L82J9F3001679	2
	Oakville Ontario - Metrolinx	L874	—	—	L82J6F3001526	L82JXF3001531	6
	Oakville Ontario - Metrolinx	L881	—	—	L82J2F3001717	L82J8F3001740	5
	Peterborough - Ontario	L770	55	60	L82U0D3000993	L82UXD3000998	6
	Peterborough - Ontario	L870	61	63	L82JXF3001612	L82J3F3001614	3
	Peterborough - Ontario	L919	64	66	L82J6F3001767	L82JXF3001769	3
	Red Deer - Alberta	L766	1104	1105	L82U7D3001025	L82U9D3001026	2
	Red Deer - Alberta	L772	1106	1108	L82J2E3001120	L82J6E3001122	3
	Red Deer - Alberta	L813	10008	10009	L82J2E3001361	L82J4E3001362	2
	Red Deer - Alberta	L869	—	—	L82J9F3001570	L82J0F3001571	2
	Red Deer - Alberta	L926	—	—	L82J2F3001796	L82J4F3001797	2
+	Regina - Saskatchewan	L639	645	654	L82U1B3000336	L82U2B3000345	10
	Regina - Saskatchewan	L776	663	669	L82U4D3001001	L82U5D3001007	7
	Regina - Saskatchewan	L807	671	685	L82J8E3001137	L82J2E3001151	15
	Regina - Saskatchewan	L892	686	691	L82J5F3001484	L82J4F3001489	6
	Sarnia Ontario	L873	151	152	L82J0F3001599	L82J0F3001600	2
	Sarnia Ontario	L883	153	153	L82J4G3750021	L82J4G3750021	1
+	Saskatoon - Saskatchewan	L568	—	—	S92U9B3000013	S92U9B3000013	1
+	Saskatoon - Saskatchewan	L618	—	—	S92U1C3000377	S92U1C3000377	1
+	Saskatoon - Saskatchewan	L690	1201	1204	L82U6C3000690	L82U1C3000693	4
	Saskatoon - Saskatchewan	L831	1401	1405	L82J7E3001307	L82J9E3001311	5
	Saskatoon - Saskatchewan	L894	1501	1510	L82J0F3001490	L82J7F3001499	10

SYM	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
+	Sault Ste-Marie Transit Services - Ontario (ref. L686)	L641	135	139	L82U7C4500008	L82U6C4500016	5
	St. Catharines Ontario - Metrolinx	L879	1501	1504	L82J4F3001587	L82J4F3001590	4
	St. Catharines Ontario - Metrolinx	L898	1560	1560	S92J4F3001663	S92J4F3001663	1
	St. John - New Brunswick	L871	40585	40586	L82J8F3001592	L82JXF3001593	2
+	St. John's - Newfoundland	L687	1201	1209	L82U7C3000598	L82U2C3000606	9
	St. John's - Newfoundland	L808	1415	1419	L82J4E3001152	L82J1E3001156	5
	St. John's - Newfoundland	L875	1520	1525	L82JXF3001478	L82J3F3001483	6
	St. John's - Newfoundland	L930	1626	1630	L82J7F3001826	L82J9F3001830	5
+	Stratford - Ontario	L634	—	—	L82UXB3000352	L82UXB3000352	1
	Stratford - Ontario	L893	—	—	L82J9F3001584	L82J0F3001585	2
+	Strathcona County Transit - Alberta	L580	2011	2023	L82U1A3000464	L82U8A3000476	13
+	Strathcona County Transit - Alberta	L659	2024	2028	L82U7B3000440	L82U4B3000444	5
+	Sudbury - Ontario	L632	811	817	L82U9B3000326	L82U4B3000332	7
	Sudbury - Ontario	L890	851	855	L82JXF3001609	L82J6F3001641	5
+	Thunder Bay - Ontario	L614	—	—	L82UXB3000061	L82U3B3000063	3
+	Thunder Bay - Ontario	L662	20168	20168	L82U3B3000533	L82U7B3000535	3
	Thunder Bay - Ontario	L806	—	—	L82J6E3001170	L82J8E3001171	2
	Thunder Bay - Ontario	L863	—	—	L82J8F3001558	L82J6F3001560	3
+	Timmins - Ontario	L661	—	—	L82U9B3000486	L82U9B3000486	1
	Timmins - Ontario	L783	—	—	L82U8D3001017	L82UXD3001018	2
	Timmins - Ontario	L839	—	—	L82J8E3001395	L82J8E3001395	1
	Toronto Transit Commission - TTC - Ontario	L738	9001	9026	S92J6D3001094	S92J7D3001119	26
	Toronto Transit Commission - TTC - Ontario	L777	9027	9152	S92J7E3001123	S92J6E3001372	126
	Toronto Transit Commission - TTC - Ontario	L859	8400	8400	L82J5F3001405	L82J5F3001405	1
	Toronto Transit Commission - TTC - Ontario	L860	8401	8504	L82J0F3001554	L82JXF3001805	104
+	University of Alabama - Alabama	L640	—	—	L82U9B4000141	L82UOB4000142	2
+	University of Alabama - Alabama	L671	7024	7025	L82U5C4500119	L82U1C4500120	2
	University of Alabama - Alabama	L787	7028	7029	L82J2E4500507	L82J4E4500508	2
	University of Alabama - Alabama	L902	7030	7030	L82J2F4500993	L82J4F4500994	2
+	University of Colorado - Colorado	L627	—	—	S92UXB4000139	S92U6B4000140	2
	Vancouver Airport Authority - YVR British Columbia	L912	173	178	L82L5F3001812	L82L4F3001817	6
	Walt Disney World - Florida	L763	—	—	S92U0D3001019	S92U4D3001024	6
	Welland Ontario - Metrolinx	L866	—	—	L82J9F3001648	L82J9F3001648	1
	Welland Ontario - Metrolinx	L933	—	—	L82J1G3750011	L82J1G3750011	1
	Whitehorse - Yukon	L784	43	43	L82U9D3001057	L82U9D3001057	1
	Windsor Ontario - Metrolinx	L886	570	577	L82J8F3001818	L82J5F3001825	8
	Woodstock - Ontario	L778	—	—	L82U2D3001014	L82U2D3001014	1
	Woodstock - Ontario	L832	—	—	L82J9E3001342	L82J9E3001342	1
	Woodstock - Ontario	L923	15-16	15-16	L82J9F3001746	L82J9F3001746	1
+	York Regional Transit - Ontario	L562	1080	1082	S92U2A3000420	S92U6A3000422	3
+	York Regional Transit - Ontario	L572	1083	1094	S92U3A3000569	S92U2A3000580	12
+	York Regional Transit - Ontario	L654	1370	1390	S92U1D3000946	S92U2D3000986	21
	York Regional Transit Ontario - Metrolinx	L896	1501	1517	L82J2F3001619	L82JXF3001741	17
	York Regional Transit Ontario - Metrolinx	L936	1518	1518	L82J3G3750012	L82J3G3750012	1



**WARNING**

**FOLLOW YOUR INTERNAL SAFETY PROCEDURES.**

**INFORMATION**

- 1.1. DEF (GEN4) N56869, N74709, N79691 and N80812 tanks are no longer available in service. They are replaced by the new DEF tank (GEN5) N8910053. See Figure 1.
- 1.2. DEF (GEN4) N8900883 sensor are no longer available in service. It is replaced by the new DEF sensor (GEN5) N8910052. See Figure 1.

Tank		Sensor	
Gen4 (Air Coupled)	Gen5 (Reed Switch)	Gen4 (Air Coupled)	Gen5 (Reed Switch)
DR003B-B5A5B65A (N56869) DR403G-H5A7B65A (N74709) DR403H-H5A7B65A (N79691) DR403P-H5A7B65A (N80812)	DR503G-06A7T65A (N8910053)	960-0121-12A (N8900883)	DM501-1806D765 (N8910052)
Out of production	<b>Replacement Part</b>	Out of production	<b>Replacement Part</b>

*Figure 1 - List of Replacement Parts for Tank and Sensor Out of Production*

1.3. DEF GEN4 N8898620 and N8900882 tank Head Unit will no longer be available in service. They are replaced by the new DEF GEN5 N8910051 tank Head Unit.



**NOTE**

When replacing a DEF tank Head Unit GEN4 N8898620 or N8900882 by the new DEF tank Head Unit GEN5 N8910051, the N8910901 (part supplied with tank head unit N8910051) harness is required to allow connection of the new head units with the vehicle harness.



Head Unit	
Gen4 (Air Coupled)	Gen5 (Reed Switch)
DM401-18H5A765 (N8900882) DM001-18H5A565 (N8898620)	DM501-180A765 (N8910051)
Out of production	Replacement Part

Figure 2 - Replacement Part for Tank Head Unit Out of Production