

REFERENCE:	Nova Bus Manuals
SECTION:	11: Exhaust system
RS N°:	MQR 7621-1807

APPLICATION DEADLINE: N/A

SUBJECT:	Aftertreatment Outlet NOx Sensor
JUSTIFICATION:	Potential System Out NOx sensor failures due to contamination and/or water impingement.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Implement a drain hole in the system out NOx cup.	Client	Client	54 min
2	–	–	–	–

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
*	N8910869	–	KIT, DRILL BUSHING, Cummins # 5395574	–
LEVEL 2				
–	–	–	–	–

*Kit is supplied by Cummins free of charge for specific ESNs. Contact your local representative and refer to Atc# 2216.

If you need to buy a kit, you can 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	–
	–	–	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2020-01-31	Initial release	André Pelletier

APPROVED BY: Jean-Nicolas Fournier

Digitally signed by Jean-Nicolas Fournier
DN: cn=Jean-Nicolas Fournier, o=Nova Bus, email=jean-nicolas.fournier@volvo.com, c=CA
Date: 2020.02.03 09:18:23 -05'00'

PAGE 1 OF 19

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CLIENT	ORDER	ROAD #	VIN	ENGINE SERIAL NUMBER	* TOOL SUPPLIED
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 001	18301	2NVYL82L8J3751245	74310727	*YES
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 002	18302	2NVYL82L8J3751276	74319143	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 003	18303	2NVYL82LXJ3751277	74310894	*YES
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 004	18304	2NVYL82L1J3751278	74319138	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 005	18305	2NVYL82L3J3751279	74311150	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 006	18306	2NVYL82LXJ3751280	74310992	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 007	18307	2NVYL82L1J3751281	74311153	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 008	18308	2NVYL82L3J3751282	74310691	*YES
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 009	18309	2NVYL82L5J3751283	74310856	*YES
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 010	18310	2NVYL82L7J3751284	74327539	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 011	18311	2NVYL82L9J3751285	74318530	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 012	18312	2NVYL82L2J3751287	74328351	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 013	18313	2NVYL82L4J3751288	74328348	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 014	18314	2NVYL82L6J3751289	74328358	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 015	18315	2NVYL82L2J3751290	74328344	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 016	18316	2NVYL82L4J3751291	74319140	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 017	18317	2NVYL82L6J3751292	74328346	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 018	18318	2NVYL82L8J3751293	74328357	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 019	18319	2NVYL82LXJ3751294	74328349	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 020	18320	2NVYL82L1J3751295	74328342	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 021	18321	2NVYL82L3J3751296	74328345	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 022	18322	2NVYL82L5J3751297	74327535	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 023	18323	2NVYL82L7J3751298	74328338	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 024	18324	2NVYL82L9J3751299	74327476	NO

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CLIENT	ORDER	ROAD #	VIN	ENGINE SERIAL NUMBER	* TOOL SUPPLIED
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 025	18325	2NVYL82L1J3751300	74328350	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 026	18326	2NVYL82L3J3751301	74327480	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 027	18327	2NVYL82L9J3751304	74328341	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 028	18328	2NVYL82L0J3751305	74327522	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 029	18329	2NVYL82L2J3751306	74327554	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 030	18330	2NVYL82L4J3751307	74328340	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 031	18331	2NVYL82L6J3751308	74327498	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 032	18332	2NVYL82L8J3751309	74327549	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 033	18333	2NVYL82L4J3751310	74327473	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 034	18334	2NVYL82L6J3751311	74327491	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 035	18335	2NVYL82L8J3751312	74310889	*YES
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 036	18336	2NVYL82LXJ3751313	74327513	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 037	18337	2NVYL82L1J3751314	74327508	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 038	18338	2NVYL82L3J3751315	74319142	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 039	18339	2NVYL82L5J3751316	74328353	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 040	18340	2NVYL82L7J3751317	74327517	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 041	18341	2NVYL82L9J3751318	74310961	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 042	18342	2NVYL82L0J3751319	74327529	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 043	18343	2NVYL82L7J3751320	74327525	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 044	18344	2NVYL82L9J3751321	74337703	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 045	18345	2NVYL82L0J3751322	74337701	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 046	18346	2NVYL82L2J3751323	74337702	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 047	18347	2NVYL82L4J3751324	74337706	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 048	18348	2NVYL82L6J3751325	74337712	NO

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CLIENT	ORDER	ROAD #	VIN	ENGINE SERIAL NUMBER	* TOOL SUPPLIED
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 049	18349	2NVYL82L8J3751326	74328354	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 050	18350	2NVYL82LXJ3751327	74337700	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 051	18351	2NVYL82L1J3751328	74337709	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 052	18352	2NVYL82L3J3751329	74337713	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 053	18353	2NVYL82LXJ3751330	74315007	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 054	18354	2NVYL82L1J3751331	74327469	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 055	18355	2NVYL82L3J3751332	74337710	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 056	18356	2NVYL82L5J3751333	74327494	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 057	18357	2NVYL82L2J3751368	74343098	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 058	18358	2NVYL82L4J3751369	74343291	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 059	18359	2NVYL82L0J3751370	74343040	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 060	18360	2NVYL82L2J3751371	74343517	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 061	18361	2NVYL82L4J3751372	74349509	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 062	18362	2NVYL82L6J3751373	74349485	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 063	18363	2NVYL82L8J3751374	74349047	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 064	18364	2NVYL82LXJ3751375	74343294	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 065	18365	2NVYL82L1J3751376	74349474	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 066	18366	2NVYL82L3J3751377	74343295	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 067	18367	2NVYL82L5J3751378	74353197	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 068	18368	2NVYL82L7J3751379	74353524	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 069	18369	2NVYL82L3J3751380	74349002	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 070	18370	2NVYL82L2J3751385	74350545	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 071	18371	2NVYL82L4J3751386	74353705	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 072	18372	2NVYL82L6J3751387	74349097	NO

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CLIENT	ORDER	ROAD #	VIN	ENGINE SERIAL NUMBER	* TOOL SUPPLIED
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 073	18373	2NVYL82L8J3751388	74343044	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 074	18374	2NVYL82LXJ3751389	74343292	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 075	18375	2NVYL82L6J3751390	74343293	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 076	18376	2NVYL82L8J3751391	74343036	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 077	18377	2NVYL82LXJ3751392	74354156	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 078	18378	2NVYL82L1J3751393	74353198	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 079	18379	2NVYL82L3J3751394	74352160	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 080	18380	2NVYL82L0J3751398	74353410	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 081	18381	2NVYL82L2J3751399	74353849	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 082	18382	2NVYL82L5J3751400	74353196	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 083	18383	2NVYL82L7J3751401	74354218	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 084	18384	2NVYL82L9J3751402	74343042	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 085	18385	2NVYL82L0J3751403	74343518	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 086	18386	2NVYL82L2J3751404	74343038	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 087	18387	2NVYL82L4J3751405	74339160	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 088	18388	2NVYL82L6J3751406	74339153	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 089	18389	2NVYL82L8J3751407	74345923	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 090	18390	2NVYL82LXJ3751408	74311011	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 091	18390	2NVYL82L1J3751409	74310709	*YES
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 092	18392	2NVYL82L8J3751410	74339151	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 093	18393	2NVYL82LXJ3751411	74345924	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 094	18394	2NVYL82L0J3751434	74371516	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 095	18395	2NVYL82L2J3751435	74371757	NO

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CMBC - Translink 18301 - 18404 British Columbia	LB31 - 096	18396	2NVYL82L4J3751436	74379113	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 097	18397	2NVYL82L6J3751437	74379211	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 098	18398	2NVYL82L8J3751438	74378796	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 099	18399	2NVYL82LXJ3751439	74371744	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 100	18400	2NVYL82L6J3751440	74371680	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 101	18401	2NVYL82L8J3751441	74378841	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 102	18402	2NVYL82LXJ3751442	74371723	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 103	18403	2NVYL82L1J3751443	74371749	NO
CMBC - Translink 18301 - 18404 British Columbia	LB31 - 104	18404	2NVYL82L3J3751444	74371703	NO
Duke University - North Carolina	LB08 - 001		2NVYL82L9J3751562	74404877	*YES
Duke University - North Carolina	LB08 - 002		2NVYL82L0J3751577	74408967	NO
Duke University - North Carolina	LB08 - 003		2NVYL82L2J3751578	74408947	NO
Mississauga Ontario	LC26 - 001	1901	2NVYL82L9K3751966	74515713	NO
Mississauga Ontario	LC26 - 002	1902	2NVYL82L0K3751967	74515655	*YES
Mississauga Ontario	LC26 - 003	1903	2NVYL82L2K3751968	74515668	NO
Mississauga Ontario	LC26 - 004	1904	2NVYL82L4K3751969	74515661	NO
Mississauga Ontario	LC26 - 005	1905	2NVYL82L0K3751970	74515683	NO
Mississauga Ontario	LC26 - 006	1906	2NVYL82L2K3751971	74515679	NO
Mississauga Ontario	LC26 - 007	1907	2NVYL82L4K3751972	74515664	NO
Mississauga Ontario	LC26 - 008	1908	2NVYL82L6K3751973	74515691	NO
Mississauga Ontario	LC26 - 009	1909	2NVYL82L8K3751974	74515672	NO
Mississauga Ontario	LC26 - 010	1910	2NVYL82LXK3751975	74515699	NO
Toronto Transit Commission Ontario - TTC	LB57 - 001	3455	2NVYL82L4J3751503	74393777	NO
Toronto Transit Commission Ontario - TTC	LB57 - 002	3456	2NVYL82L6J3751504	74393746	NO
Toronto Transit Commission Ontario - TTC	LB57 - 003	3457	2NVYL82L8J3751505	74390828	NO
Toronto Transit Commission Ontario - TTC	LB57 - 004	3458	2NVYL82LXJ3751506	74393750	NO
Toronto Transit Commission Ontario - TTC	LB57 - 005	3459	2NVYL82L1J3751507	74393816	NO
Toronto Transit Commission Ontario - TTC	LB57 - 006	3460	2NVYL82L3J3751508	74393711	NO
Toronto Transit Commission Ontario - TTC	LB57 - 007	3461	2NVYL82L5J3751509	74393823	NO
Toronto Transit Commission Ontario - TTC	LB57 - 008	3462	2NVYL82L1J3751510	74390827	NO
Toronto Transit Commission Ontario - TTC	LB57 - 009	3463	2NVYL82L3J3751511	74393765	NO
Toronto Transit Commission Ontario - TTC	LB57 - 010	3464	2NVYL82L5J3751512	74398316	NO

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Toronto Transit Commission Ontario - TTC	LB57 - 011	3465	2NVYL82L7J3751513	74398173	NO
Toronto Transit Commission Ontario - TTC	LB57 - 012	3466	2NVYL82L9J3751514	74385536	NO
Toronto Transit Commission Ontario - TTC	LB57 - 013	3467	2NVYL82L0J3751515	74393764	NO
Toronto Transit Commission Ontario - TTC	LB57 - 014	3468	2NVYL82L2J3751516	74385743	NO
Toronto Transit Commission Ontario - TTC	LB57 - 015	3469	2NVYL82L4J3751517	74382745	NO
Toronto Transit Commission Ontario - TTC	LB57 - 016	3470	2NVYL82L6J3751518	74385911	NO
Toronto Transit Commission Ontario - TTC	LB57 - 017	3471	2NVYL82L8J3751519	74397906	NO
Toronto Transit Commission Ontario - TTC	LB57 - 018	3472	2NVYL82L4J3751520	74398160	NO
Toronto Transit Commission Ontario - TTC	LB57 - 019	3473	2NVYL82L6J3751521	74397948	NO
Toronto Transit Commission Ontario - TTC	LB57 - 020	3474	2NVYL82L8J3751522	74397952	NO
Toronto Transit Commission Ontario - TTC	LB57 - 021	3475	2NVYL82L6K3751617	74419170	NO
Toronto Transit Commission Ontario - TTC	LB57 - 022	3476	2NVYL82L8K3751618	74419183	NO
Toronto Transit Commission Ontario - TTC	LB57 - 023	3477	2NVYL82LXK3751619	74419195	NO
Toronto Transit Commission Ontario - TTC	LB57 - 024	3478	2NVYL82L6K3751620	74419196	NO
Toronto Transit Commission Ontario - TTC	LB57 - 025	3479	2NVYL82L8K3751621	74420542	NO
Toronto Transit Commission Ontario - TTC	LB57 - 026	3480	2NVYL82LXK3751622	74420498	NO
Toronto Transit Commission Ontario - TTC	LB57 - 027	3481	2NVYL82L1K3751623	74420507	NO
Toronto Transit Commission Ontario - TTC	LB57 - 028	3482	2NVYL82L3K3751624	74419178	NO
Toronto Transit Commission Ontario - TTC	LB57 - 029	3483	2NVYL82L5K3751625	74420524	NO
Toronto Transit Commission Ontario - TTC	LB57 - 030	3484	2NVYL82L7K3751626	74420514	NO
Toronto Transit Commission Ontario - TTC	LB57 - 031	3485	2NVYL82L9K3751627	74420377	NO
Toronto Transit Commission Ontario - TTC	LB57 - 032	3486	2NVYL82L0K3751628	74419191	NO
Toronto Transit Commission Ontario - TTC	LB57 - 033	3487	2NVYL82L2K3751629	74419339	NO
Toronto Transit Commission Ontario - TTC	LB57 - 034	3488	2NVYL82L9K3751630	74421837	NO
Toronto Transit Commission Ontario - TTC	LB57 - 035	3489	2NVYL82L0K3751631	74420545	NO
Toronto Transit Commission Ontario - TTC	LB57 - 036	3490	2NVYL82L2K3751632	74422816	NO
Toronto Transit Commission Ontario - TTC	LB57 - 037	3491	2NVYL82L4K3751633	74419441	NO
Toronto Transit Commission Ontario - TTC	LB57 - 038	3492	2NVYL82L6K3751634	74419382	NO
Toronto Transit Commission Ontario - TTC	LB57 - 039	3493	2NVYL82L8K3751635	74419199	NO
Toronto Transit Commission Ontario - TTC	LB57 - 040	3494	2NVYL82LXK3751636	74419201	NO
Toronto Transit Commission Ontario - TTC	LB57 - 041	3495	2NVYL82L1K3751637	74419192	NO
Toronto Transit Commission Ontario - TTC	LB57 - 042	3496	2NVYL82L3K3751638	74427508	NO
Toronto Transit Commission Ontario - TTC	LB57 - 043	3497	2NVYL82L5K3751639	74427507	NO
Toronto Transit Commission Ontario - TTC	LB57 - 044	3498	2NVYL82L1K3751640	74427522	NO
Toronto Transit Commission Ontario - TTC	LB57 - 045	3499	2NVYL82L3K3751641	74427506	NO
Toronto Transit Commission Ontario - TTC	LB57 - 046	3500	2NVYL82L5K3751642	74427509	NO
Toronto Transit Commission Ontario - TTC	LB57 - 047	3501	2NVYL82L7K3751643	74427521	NO
Toronto Transit Commission Ontario - TTC	LB57 - 048	3502	2NVYL82L9K3751644	74427532	NO

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Toronto Transit Commission Ontario - TTC	LB57 - 049	3503	2NVYL82L0K3751645	74427518	NO
Toronto Transit Commission Ontario - TTC	LB57 - 050	3504	2NVYL82L2K3751646	74427536	NO
Toronto Transit Commission Ontario - TTC	LB57 - 051	3505	2NVYL82L4K3751647	74427502	NO
Toronto Transit Commission Ontario - TTC	LB57 - 052	3506	2NVYL82L6K3751648	74427504	NO
Toronto Transit Commission Ontario - TTC	LB57 - 053	3507	2NVYL82L8K3751649	74430559	NO
Toronto Transit Commission Ontario - TTC	LB57 - 054	3508	2NVYL82L4K3751650	74430570	NO
Toronto Transit Commission Ontario - TTC	LB57 - 055	3509	2NVYL82L6K3751651	74430552	NO
Toronto Transit Commission Ontario - TTC	LB57 - 056	3510	2NVYL82L8K3751652	74430622	NO
Toronto Transit Commission Ontario - TTC	LB57 - 057	3511	2NVYL82L2K3751680	74224586	NO
Toronto Transit Commission Ontario - TTC	LB57 - 058	3512	2NVYL82L4K3751681	74219486	NO
Toronto Transit Commission Ontario - TTC	LB57 - 059	3513	2NVYL82L6K3751682	74271809	*YES
Toronto Transit Commission Ontario - TTC	LB57 - 060	3514	2NVYL82L8K3751683	74224588	NO
Toronto Transit Commission Ontario - TTC	LB57 - 061	3515	2NVYL82LXK3751684	74219484	NO
Toronto Transit Commission Ontario - TTC	LB57 - 062	3516	2NVYL82L1K3751685	74219483	NO
Toronto Transit Commission Ontario - TTC	LB57 - 063	3517	2NVYL82L3K3751686	74219485	NO
Toronto Transit Commission Ontario - TTC	LB57 - 064	3518	2NVYL82L5K3751687	74315724	NO
Toronto Transit Commission Ontario - TTC	LB57 - 065	3519	2NVYL82L7K3751688	74413201	NO
Toronto Transit Commission Ontario - TTC	LB57 - 066	3520	2NVYL82L9K3751689	74415920	NO
Toronto Transit Commission Ontario - TTC	LB57 - 067	3521	2NVYL82L5K3751690	74335829	NO
Toronto Transit Commission Ontario - TTC	LB57 - 068	3522	2NVYL82L7K3751691	74415915	NO
Toronto Transit Commission Ontario - TTC	LB57 - 069	3523	2NVYL82L9K3751692	74422525	NO
Toronto Transit Commission Ontario - TTC	LB57 - 070	3524	2NVYL82L0K3751693	74356701	NO
Toronto Transit Commission Ontario - TTC	LB57 - 071	3525	2NVYL82L2K3751694	74397298	NO
Toronto Transit Commission Ontario - TTC	LB57 - 072	3526	2NVYL82L4K3751695	74422329	NO
Toronto Transit Commission Ontario - TTC	LB57 - 073	3527	2NVYL82L6K3751696	74151278	NO
Toronto Transit Commission Ontario - TTC	LB57 - 074	3528	2NVYL82L8K3751697	74151046	NO
Toronto Transit Commission Ontario - TTC	LB57 - 075	3529	2NVYL82LXK3751698	74228279	NO
Toronto Transit Commission Ontario - TTC	LB57 - 076	3530	2NVYL82L1K3751699	74377877	NO
Toronto Transit Commission Ontario - TTC	LB57 - 077	3531	2NVYL82L4K3751700	74431791	NO
Toronto Transit Commission Ontario - TTC	LB57 - 078	3532	2NVYL82L6K3751701	74224424	NO
Toronto Transit Commission Ontario - TTC	LB57 - 079	3533	2NVYL82LXK3751703	74237673	NO
Toronto Transit Commission Ontario - TTC	LB57 - 080	3534	2NVYL82L1K3751704	74356569	NO
Toronto Transit Commission Ontario - TTC	LB57 - 081	3535	2NVYL82L3K3751705	74377597	NO
Toronto Transit Commission Ontario - TTC	LB57 - 084	3538	2NVYL82L9K3751708	74402815	NO
Toronto Transit Commission Ontario - TTC	LB57 - 086	3540	2NVYL82L7K3751710	74432440	NO
Toronto Transit Commission Ontario - TTC	LB57 - 087	3541	2NVYL82L9K3751711	74049675	NO
Toronto Transit Commission Ontario - TTC	LB57 - 088	3542	2NVYL82L0K3751712	74376387	NO
Toronto Transit Commission Ontario - TTC	LB57 - 089	3543	2NVYL82L2K3751713	74289485	NO
Toronto Transit Commission Ontario - TTC	LB57 - 090	3544	2NVYL82L4K3751714	74400735	NO

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CLIENT	ORDER	ROAD #	VIN	ENGINE SERIAL NUMBER	* TOOL SUPPLIED
Toronto Transit Commission Ontario - TTC	LB57 - 092	3546	2NVYL82L8K3751716	74229072	NO
Toronto Transit Commission Ontario - TTC	LB57 - 096	3550	2NVYL82LXK3751720	74219143	NO
Toronto Transit Commission Ontario - TTC	LB57 - 098	3552	2NVYL82L3K3751722	74194008	NO
Toronto Transit Commission Ontario - TTC	LB57 - 099	3553	2NVYL82L5K3751723	74331097	NO
Toronto Transit Commission Ontario - TTC	LB57 - 100	3554	2NVYL82L7K3751724	74281016	NO
Toronto Transit Commission Ontario - TTC	LB57 - 101	3555	2NVYL82L9K3751725	74233761	NO
Toronto Transit Commission Ontario - TTC	LB57 - 102	3556	2NVYL82L0K3751726	74416758	NO
Toronto Transit Commission Ontario - TTC	LB57 - 103	3557	2NVYL82L2K3751727	74214035	NO
Toronto Transit Commission Ontario - TTC	LB57 - 104	3558	2NVYL82L4K3751728	74146040	NO
Toronto Transit Commission Ontario - TTC	LB57 - 105	3559	2NVYL82L6K3751729	74326453	NO
Toronto Transit Commission Ontario - TTC	LB57 - 106	3560	2NVYL82L2K3751730	74240776	NO
Toronto Transit Commission Ontario - TTC	LB57 - 107	3561	2NVYL82L4K3751731	74305696	NO
Toronto Transit Commission Ontario - TTC	LB57 - 108	3562	2NVYL82L6K3751732	74228002	NO
Toronto Transit Commission Ontario - TTC	LB57 - 109	3563	2NVYL82L8K3751733	74334709	NO
Toronto Transit Commission Ontario - TTC	LB57 - 110	3564	2NVYL82LXK3751734	74410683	NO
Toronto Transit Commission Ontario - TTC	LB57 - 111	3565	2NVYL82L1K3751735	74356656	NO
Toronto Transit Commission Ontario - TTC	LB57 - 112	3566	2NVYL82L3K3751736	74422914	NO
Toronto Transit Commission Ontario - TTC	LB57 - 113	3567	2NVYL82L5K3751737	74327826	NO
Toronto Transit Commission Ontario - TTC	LB57 - 114	3568	2NVYL82L7K3751738	74151315	NO
Toronto Transit Commission Ontario - TTC	LB62 - 001	3400	2NVYL82L5J3751381	74349016	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 001	3401	2NVYL82L5J3751445	74371686	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 002	3402	2NVYL82L7J3751446	74371520	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 003	3403	2NVYL82L9J3751447	74371503	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 004	3404	2NVYL82L0J3751448	74371620	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 005	3405	2NVYL82L2J3751449	74371779	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 006	3406	2NVYL82L9J3751450	74378547	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 007	3407	2NVYL82L0J3751451	74378521	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 008	3408	2NVYL82L2J3751452	74371708	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 009	3409	2NVYL82L4J3751453	74378643	NO
Toronto Transit Commission Ontario - TTC	LB79 - 010	3410	2NVYL82L6J3751454	74371650	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 011	3411	2NVYL82L8J3751455	74379229	NO
Toronto Transit Commission Ontario - TTC	LB79 - 012	3412	2NVYL82LXJ3751456	74371782	*YES
Toronto Transit Commission Ontario - TTC	LB79 - 013	3413	2NVYL82L1J3751457	74379109	NO
Toronto Transit Commission Ontario - TTC	LB79 - 014	3414	2NVYL82L3J3751458	74378770	NO
Toronto Transit Commission Ontario - TTC	LB79 - 015	3415	2NVYL82L5J3751459	74378845	NO
Toronto Transit Commission Ontario - TTC	LB79 - 016	3416	2NVYL82L1J3751460	74378826	NO
Toronto Transit Commission Ontario - TTC	LB79 - 017	3417	2NVYL82L3J3751461	74382673	NO
Toronto Transit Commission Ontario - TTC	LB79 - 018	3418	2NVYL82L5J3751462	74382948	NO

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CLIENT	ORDER	ROAD #	VIN	ENGINE SERIAL NUMBER	* TOOL SUPPLIED
Toronto Transit Commission Ontario - TTC	LB79 - 019	3419	2NVYL82L7J3751463	74382929	NO
Toronto Transit Commission Ontario - TTC	LB79 - 020	3420	2NVYL82L9J3751464	74383052	NO
Toronto Transit Commission Ontario - TTC	LB79 - 021	3421	2NVYL82L8J3751469	74382678	NO
Toronto Transit Commission Ontario - TTC	LB79 - 022	3422	2NVYL82L4J3751470	74380826	NO
Toronto Transit Commission Ontario - TTC	LB79 - 023	3423	2NVYL82L6J3751471	74380825	NO
Toronto Transit Commission Ontario - TTC	LB79 - 024	3424	2NVYL82L8J3751472	74385679	NO
Toronto Transit Commission Ontario - TTC	LB79 - 025	3425	2NVYL82LXJ3751473	74382847	NO
Toronto Transit Commission Ontario - TTC	LB79 - 026	3426	2NVYL82L1J3751474	74380827	NO
Toronto Transit Commission Ontario - TTC	LB79 - 027	3427	2NVYL82L3J3751475	74385969	NO
Toronto Transit Commission Ontario - TTC	LB79 - 028	3428	2NVYL82L5J3751476	74386225	NO
Toronto Transit Commission Ontario - TTC	LB79 - 029	3429	2NVYL82L7J3751477	74385563	NO
Toronto Transit Commission Ontario - TTC	LB79 - 030	3430	2NVYL82L9J3751478	74385873	NO
Toronto Transit Commission Ontario - TTC	LB79 - 031	3431	2NVYL82L0J3751479	74382639	NO
Toronto Transit Commission Ontario - TTC	LB79 - 032	3432	2NVYL82L7J3751480	74386213	NO
Toronto Transit Commission Ontario - TTC	LB79 - 033	3433	2NVYL82L9J3751481	74386279	NO
Toronto Transit Commission Ontario - TTC	LB79 - 034	3434	2NVYL82L0J3751482	74382539	NO
Toronto Transit Commission Ontario - TTC	LB79 - 035	3435	2NVYL82L2J3751483	74390835	NO
Toronto Transit Commission Ontario - TTC	LB79 - 036	3436	2NVYL82L4J3751484	74389148	NO
Toronto Transit Commission Ontario - TTC	LB79 - 037	3437	2NVYL82L6J3751485	74390834	NO
Toronto Transit Commission Ontario - TTC	LB79 - 038	3438	2NVYL82L8J3751486	74385825	NO
Toronto Transit Commission Ontario - TTC	LB79 - 039	3439	2NVYL82LXJ3751487	74389174	NO
Toronto Transit Commission Ontario - TTC	LB79 - 040	3440	2NVYL82L1J3751488	74389145	NO
Toronto Transit Commission Ontario - TTC	LB79 - 041	3441	2NVYL82L3J3751489	74390832	NO
Toronto Transit Commission Ontario - TTC	LB79 - 042	3442	2NVYL82LXJ3751490	74390831	NO
Toronto Transit Commission Ontario - TTC	LB79 - 043	3443	2NVYL82L1J3751491	74385826	NO
Toronto Transit Commission Ontario - TTC	LB79 - 044	3444	2NVYL82L3J3751492	74389187	NO
Toronto Transit Commission Ontario - TTC	LB79 - 045	3445	2NVYL82L5J3751493	74391095	NO
Toronto Transit Commission Ontario - TTC	LB79 - 046	3446	2NVYL82L7J3751494	74385419	NO
Toronto Transit Commission Ontario - TTC	LB79 - 047	3447	2NVYL82L9J3751495	74386292	NO
Toronto Transit Commission Ontario - TTC	LB79 - 048	3448	2NVYL82L0J3751496	74386301	NO
Toronto Transit Commission Ontario - TTC	LB79 - 049	3449	2NVYL82L2J3751497	74382562	NO
Toronto Transit Commission Ontario - TTC	LB79 - 050	3450	2NVYL82L4J3751498	74393760	NO
Toronto Transit Commission Ontario - TTC	LB79 - 051	3451	2NVYL82L6J3751499	74393781	NO
Toronto Transit Commission Ontario - TTC	LB79 - 052	3452	2NVYL82L9J3751500	74395296	NO
Toronto Transit Commission Ontario - TTC	LB79 - 053	3453	2NVYL82L0J3751501	74393762	NO
Toronto Transit Commission Ontario - TTC	LB79 - 054	3454	2NVYL82L2J3751502	74393725	NO
Toronto Transit Commission Ontario - TTC	LB89 - 001	3570	2NVYL82L6K3752007	74526145	NO
Toronto Transit Commission Ontario - TTC	LB89 - 002	3571	2NVYL82L8K3752008	74526151	NO
Toronto Transit Commission Ontario - TTC	LB89 - 003	3572	2NVYL82LXK3752009	74526138	NO

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CLIENT	ORDER	ROAD #	VIN	ENGINE SERIAL NUMBER	* TOOL SUPPLIED
Toronto Transit Commission Ontario - TTC	LB89 - 004	3573	2NVYL82L6K3752010	74526027	NO
Toronto Transit Commission Ontario - TTC	LB89 - 005	3574	2NVYL82L8K3752011	74528675	NO
Toronto Transit Commission Ontario - TTC	LB89 - 006	3575	2NVYL82LXK3752012	74527499	NO
Toronto Transit Commission Ontario - TTC	LB89 - 007	3576	2NVYL82L1K3752013	74527507	NO
Toronto Transit Commission Ontario - TTC	LB89 - 008	3577	2NVYL82L3K3752014	74527500	NO
Toronto Transit Commission Ontario - TTC	LB89 - 009	3578	2NVYL82L5K3752015	74527497	NO
Toronto Transit Commission Ontario - TTC	LB89 - 010	3579	2NVYL82L7K3752016	74526033	NO
Toronto Transit Commission Ontario - TTC	LB89 - 011	3580	2NVYL82L9K3752017	74528989	NO
Toronto Transit Commission Ontario - TTC	LB89 - 012	3581	2NVYL82L0K3752018	74529395	NO
Toronto Transit Commission Ontario - TTC	LB89 - 013	3582	2NVYL82L2K3752019	74526072	NO
Toronto Transit Commission Ontario - TTC	LB89 - 014	3583	2NVYL82L9K3752020	74529127	NO
Toronto Transit Commission Ontario - TTC	LB89 - 015	3584	2NVYL82L0K3752021	74529470	NO
Toronto Transit Commission Ontario - TTC	LB89 - 016	3585	2NVYL82L2K3752022	74529452	NO
Toronto Transit Commission Ontario - TTC	LB89 - 017	3586	2NVYL82L4K3752023	74529033	NO
Toronto Transit Commission Ontario - TTC	LB89 - 018	3587	2NVYL82L6K3752024	74527495	NO
Toronto Transit Commission Ontario - TTC	LB89 - 019	3588	2NVYL82L8K3752025	74527501	NO
Toronto Transit Commission Ontario - TTC	LB89 - 020	3589	2NVYL82LXK3752026	74531623	NO
Toronto Transit Commission Ontario - TTC	LB89 - 021	3590	2NVYL82L1K3752027	74529062	NO
Toronto Transit Commission Ontario - TTC	LB89 - 022	3591	2NVYL82L3K3752028	74529414	NO
Toronto Transit Commission Ontario - TTC	LB89 - 023	3592	2NVYL82L5K3752029	74527505	NO
Toronto Transit Commission Ontario - TTC	LB89 - 024	3593	2NVYL82L1K3752030	74529227	NO
Toronto Transit Commission Ontario - TTC	LB89 - 025	3594	2NVYL82L3K3752031	74529184	NO
Toronto Transit Commission Ontario - TTC	LB89 - 026	3595	2NVYL82L5K3752032	74529188	NO
Toronto Transit Commission Ontario - TTC	LB89 - 027	3596	2NVYL82L7K3752033	74529391	NO
Toronto Transit Commission Ontario - TTC	LB89 - 028	3597	2NVYL82L9K3752034	74529379	NO
Toronto Transit Commission Ontario - TTC	LB89 - 029	3598	2NVYL82L0K3752035	74526078	NO
Toronto Transit Commission Ontario - TTC	LB89 - 030	3599	2NVYL82L2K3752036	74531615	NO
Toronto Transit Commission Ontario - TTC	LB89 - 031	3600	2NVYL82L4K3752037	74526120	NO
Toronto Transit Commission Ontario - TTC	LB89 - 032	3601	2NVYL82L6K3752038	74529320	NO
Toronto Transit Commission Ontario - TTC	LB89 - 033	3602	2NVYL82L8K3752039	74529264	NO
Toronto Transit Commission Ontario - TTC	LB89 - 035	3604	2NVYL82L6K3752041	74531622	NO
Toronto Transit Commission Ontario - TTC	LB89 - 036	3605	2NVYL82L8K3752042	74531621	NO
Toronto Transit Commission Ontario - TTC	LB89 - 039	3608	2NVYL82L3K3752045	74531624	NO
Toronto Transit Commission Ontario - TTC	LB89 - 040	3609	2NVYL82L5K3752046	74531616	NO
Toronto Transit Commission Ontario - TTC	LB89 - 041	3610	2NVYL82L7K3752047	74526128	NO
Toronto Transit Commission Ontario - TTC	LB89 - 042	3611	2NVYL82L9K3752048	74526058	NO
Toronto Transit Commission Ontario - TTC	LB89 - 043	3612	2NVYL82L0K3752049	74526046	NO
Toronto Transit Commission Ontario - TTC	LB89 - 044	3613	2NVYL82L7K3752050	74526015	NO
Toronto Transit Commission Ontario - TTC	LB89 - 045	3614	2NVYL82L9K3752051	74531625	NO

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Toronto Transit Commission Ontario - TTC	LB89 - 046	3615	2NVYL82L0K3752052	74531452	NO
Toronto Transit Commission Ontario - TTC	LB89 - 047	3616	2NVYL82L2K3752053	74531627	NO
Toronto Transit Commission Ontario - TTC	LB89 - 048	3617	2NVYL82L4K3752054	74531618	NO
Toronto Transit Commission Ontario - TTC	LB89 - 049	3618	2NVYL82L6K3752055	74531619	NO

**NOTE**

The following procedure is provided by Cummins. Nova Bus cannot be held responsible for its content.

ACCOUNT TEAM COVERAGE

Please Deliver To: Service Managers and Warranty Decision Makers

FROM: Cummins Global Warranty Administration Communications

Subject: B6.7 EPA17 NOx Cup Drain Hole ATC for Nova Bus

Number: Atc2216

Date: 27-Sep-2019

Expires: 01-Sep-2021 (U.S./Canada)
01-Sep-2021 (International)

Attention: joseph.schulz@cummins.com

If additional information is required, please contact your Cummins Warranty Operations Group Leader.

DESCRIPTION:

This ATC is being issued to address potential System Out NOx sensor failures due to contamination and/or water impingement on certain B6.7 CM2350 B121B engines installed in Nova Bus applications. This field action authorizes certified repair locations to use the published service procedure to implement a drain hole in the system out NOx cup.

NOTE: If NOx related fault codes are present, and troubleshooting leads to the replacement of the NOx sensor(s), these replacements **MUST** be filed to warranty. This ATC does **not** cover the warrantable sensor replacements. If sensor(s) are damaged as a result of the removal and re-installation activities, this field action will provide coverage with supporting narratives.

ACTION:

In order to qualify for repair under this field action, an engine:

- 1 be covered In the NEW/Base Engine Warranty period, and
- 2 will be covered In the CAP/Extended coverage period, and
- 3 **must** show as OPEN on QuickServe® Online for this field action.

NOTE: The ESN list is attached for reference.

After verifying that the engine meets the above requirements, perform the following actions:

- 1 Remove the Outlet NOx Sensor. Take care to remove carefully. The sensor will need to be reinstalled after the repair. Please refer to Aftertreatment Outlet NOx Sensor replacement Procedure 019-451 in Section 19, in the appropriate service manual.
- 2 Remove the Particulate Sensor. Take care to remove carefully. The sensor will need to be reinstalled after the repair. Please refer to Aftertreatment Particulate Sensor Procedure 019-478 for the removal of the PM sensor in the appropriate service manual.
- 3 Please refer to Attachment B, Aftertreatment Outlet NOx Sensor Cup Drain Hole Installation Procedure_Nova Bus. Complete all the steps detailed in Attachment B.
- 4 Reinstall the Outlet NOx Sensor and the Particulate Sensor as indicated in the appropriate service procedures.

NOTE: If the sensors are damaged during the removal, replacements can be claimed with supporting narratives.

MATERIAL DISPOSITION:

The Drill and Bushing KIT, PN 5395574, is listed as OPTIONAL, and can be used for multiple Engines. **Only** select ESNs are eligible to claim both the Tool and Labor. For specific eligibility, please refer to the attached ESN listings.

REIMBURSEMENTS:**Parts:**

NOTE: The Drill Bushing Kit can be used on multiple engines. Therefore, **only** select ESNs are eligible for this kit. There are two (2) ESN lists for guidance on specific eligibility. One listing for Labor **ONLY** and one list for the Service Tool AND Labor.

The following parts are covered under this field action:

Part Number	Quantity	Description
539557400	1	KIT, DRILL BUSHING (OPTIONAL)

NOTE: SRTs to gain access that are required to complete the repair, that are sufficiently explained in the claim narrative, may also be claimed on this action.

Labor using applicable Access Code and Time:

SRT Code	Description	Time
00-90X	Administrative time	
19-0FR	Aftertreatment Particulate Sensor - Remove and Install - B6.7 CM2350 B121B	
19-0NP	Aftertreatment Outlet NOx Sensor - Remove and Install - B6.7 CM2350 B121B	
99-902	BUSHING DRILLING AND CLEAN UP (QTY 5)	

Travel:

Travel is **not** covered under this field action. Towing is **not** covered under this field action.

Other Claimables:

Consumables are **not** covered under this field action.

Claim Instructions:

For Cummins Dealers, claims for this Field Campaign **must** be filed via **RAPIDSERVE™** Web (rsw.cummins.com). For information regarding **RAPIDSERVE™** Web, please reference the "Warranty" tab in QuickServe® Online. If there are additional questions, please contact your local Cummins Distributor.

Account Code: 27
Pay Code: Distributor = X
Pay Code: Dealer = D
Pay Code: International = I
Failure Code: WYNEBN

Service Instruction**Aftertreatment Outlet NOx Sensor Cup Drain Hole Installation Procedure****Product Affected**

- B6.7 CM2350 B121B

The purpose of this document is to guide the user through the steps involved in adding a drain hole inside the NOx cup, located in the SCR (Selective Catalyst Reduction) outlet.

Parts Required

The parts required to add a drain hole to the NOx cup are provided in Table 1. This is the only item approved for this procedure.

Table 1: Required Parts	
Part Description	Part Number
Special Service Tool Kit (Bushing & Drill bit)	5395574

Service Tool 5395574**Personal Protection Equipment (PPE)**

- Completing a Job Safety Assessment (JSA) prior to performing work helps identify job safety hazards and prevent incidents.
- To reduce the possibility of personal injury, personal protective equipment (PPE) must be utilized. Reference General Safety Instructions Procedure 204-006 in Section I of the corresponding Service Manual.

Installation Tools

The list of standard service tools required along with any additional items recommended are listed in Table 2.

Table 2: Standard Service Tools	
Portable Drill	Clean Towels
Shop Gloves	Safety Glasses

Preparatory Steps**WARNING**

Wait for the Aftertreatment system to cool down before working on the hot exhaust or exhaust components. Failure to do so could result in personal injury.

1. Remove the Aftertreatment Outlet NOx Sensor probe and the Aftertreatment Particulate Sensor probe, shown in **Figure 1** and place them in a safe place prior to drilling the hole in the the NOx cup.
2. Refer to **Aftertreatment Outlet NOx Sensor, Procedure 019-451** in the appropriate service manual, to remove the NOx sensor.
3. Refer to **Aftertreatment Particulate Sensor, Procedure 019-478** in the appropriate service manual, to remove the particulate matter sensor.



SCR Overview

Figure 1

4. Insert bushing into the NOx cup as seen in **Figure 2**, ensure the guide pins are located on the bottom.
5. Setup portable drill with the supplied drill bit.



Bushing inserted into NOx Cup
Figure 2

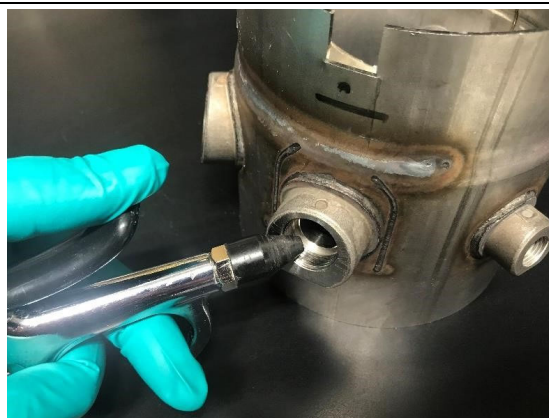
6. Secure the bushing and insert the drill bit into the guide hole, as seen in **Figure 3**. Drill a hole in the NOx cup.

Caution: Ensure your hands are free and clear from the rotating parts and use precision to avoid breaking of drill bit.



Addition of Drain Hole
Figure 3

7. Using shop air, insert the air chuck into sensor boss to blowout the residual debris until clean. **Figure 4**
(Recommended shop air pressure: 90 to 150 psi.)



Shop Air
Figure 4

Finishing Steps

1. Install the original Aftertreatment Outlet NOx Sensor probe and the Aftertreatment Particulate Sensor probe.
2. Refer to Aftertreatment Outlet NOx Sensor, Procedure 019-451 in the appropriate service manual, to install the NOx sensor.
3. Refer to Aftertreatment Particulate Sensor, Procedure 019-478 in the appropriate service manual, to install the particulate matter sensor.