

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

APPLICATION DEADLINE:N/A

THIS DOCUMENT IS APPLICABLE TO VEHICLES LISTED IN THE CLIENTS LIST, TO VEHICLES CURRENTLY IN PRODUCTION AND TO FUTURE VEHICLES.

SUBJECT:	Diesel Exhaust Fluid (DEF) Sensor Shortage
JUSTIFICATION:	Cummins has issued a Temporary Repair Practice: TRP2484 – ECM Calibration for DEF Header Sensor Failures due to Parts Shortage TRP allowing temporary calibration of the engine ECM in the event of the DEF sensor failure and repeated error codes.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
-	- Obtain an authorization code per vehicle from Nova Bus. - Upload a temporary calibration in the engine Electronic Control Module (ECM) if DEF sensor fails.	-	-	-
-	-	-	-	-

PART N°	DESCRIPTION
INSTALL ENG CALIB	Install Engine Calibration
REMOVE ENG CALIB	Remove Engine Calibration

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2022JA04	Initial release	Annie St-Jacques

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: 2022.01.04 16:06:47 -05'00'

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NQF772002 VERSION 3

THIS DOCUMENT IS APPLICABLE TO VEHICLES LISTED IN THE CLIENTS LIST, TO VEHICLES CURRENTLY IN PRODUCTION AND TO FUTURE VEHICLES.

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Academy Busline - New Jersey	LA13	—	—	L82J4G9775611	L82J5G9775620	10
Academy Busline - New Jersey	LC95	—	—	L82J2L9777559	L82J9L9777560	2
Academy Busline - New Jersey	LD60	—	—	L82JXM3752934	L82JXM3752948	15
Airdrie Transit - Alberta	LB10	3718	3718	L82J1J9776464	L82J1J9776464	1
Airdrie Transit - Alberta	LC17	3725	3726	L82J3K3751850	L82J5K3751851	2
Airdrie Transit - Alberta	LD26	—	—	S92J9L3752852	S92J0L3752853	2
Airdrie Transit - Alberta	LD27	—	—	L82J3L3752854	L82J7L3752856	3
Ames Transportation Agency - Iowa	L904	6101	6104	S92J1G9775221	S92J7G9775224	4
Ann Arbor Area Transportation Authority Michigan - AAATA	LD05	2000	2000	L82J9L9777669	L82J9L9777669	1
Ann Arbor Area Transportation Authority Michigan - AAATA	LD09	2001	2007	L82J1M9777893	L82J2M9777899	7
Austin - CMTA - Texas	LA17	5101	5107	S92J2H9775763	S92J3H9775769	7
Austin - CMTA - Texas	LA18	5151	5158	L82J0H9775770	L82J3H9775777	8
Barrie Ontario - Metrolinx	L955	1601	1604	L82J7G9775408	L82J9G9775412	4
Barrie Ontario - Metrolinx	LA31	1701	1705	L82J0H9775817	L82J2H9775821	5
Barrie Ontario - Metrolinx	LA49	1706	1713	L82J7H3750855	L82J4H3750862	8
Barrie Ontario - metrolinx	LC63	2001	2002	L82J3L9777537	L82J5L9777538	2
Barrie Ontario - Metrolinx	LD55	2101	2103	L82J2L9777772	L82J6L9777774	3
BC Transit - BCT - British Columbia	LA16	6000	6029	L82J3H9776217	L82J4H9776307	30
Belleville Transit - Ontario - Metrolinx	LD69	—	—	L82J4M3752914	L82JXM3752917	4
Belleville Transit - Ontario - Metrolinx	LE07	—	—	L82J1M3753213	L82J1M3753213	1
Bow Valley Transit - Alberta	LB86	N/A	N/A	L82J8K9777001	L82J1K9777003	3
Bow Valley Transit - Alberta	L993	-	-	L82JXG3750329	L82J6G3750330	2
Bow Valley Transit - Alberta	LA26	—	—	L82J4H3750473	L82J4H3750473	1
Bow Valley Transit - Alberta	LA28	—	—	L82J6H9776308	L82J4H9776310	3
Brampton - Ontario	L941	1614	1623	L82J1G3750123	L82J2G3750132	10
Brampton - Ontario	L942	1601	1613	L82J6G3750070	L82J4G3750083	13
Brampton - Ontario	LA20	1707	1713	L82J5H3750532	L82J6H3750538	7
Brampton - Ontario	LA21	1701	1706	L82J8H3750539	L82J1H3750544	6
Brampton - Ontario	LB01	1801	1817	L82J3H3750948	L82J6J3750982	17
Brampton - Ontario	LB02	1818	1823	L82J3J3751121	L82J2J3751126	6
Brandon - Manitoba	L899	67	70	L82J2G3750180	L82J8G3750183	4
Brantford - Ontario	LA03	10161	10612	L82J0G3750369	L82J7G3750370	2
Brantford - Ontario	LB64	101808	101810	L82J2J3751465	L82J6J3751467	3
Brantford - Ontario	LE09	102105	102109	L82J8M3753208	L82JXM3753212	5
Burlington Ontario - Metrolinx	LB35	7033-18	7036-18	L82J9J3751432	L82J0J3751433	2
Burlington Ontario - Metrolinx	LC18	1901	1907	L82J9K3752095	L82J0K3752101	7
Burlington Ontario - Metrolinx	LD86	2101	2108	L82J2M3753043	L82J8M3753080	8

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Cape Breton Nova Scotia	LA12	7092	7093	L82J8H3750587	L82JXH3750588	2
Cape Breton Nova Scotia	LB92	7112	7113	L82J3K3751766	L82J5K3751767	2
Cape Breton Nova Scotia	LC90	—	—	L82J1L3752383	L82J1L3752383	1
Cape Breton Nova Scotia	LD22	N/A	N/A	L82J7L3752632	L82J7L3752632	1
Cape Breton Nova Scotia	LD97	—	—	L82J9M3753055	L82J9M3753055	1
Cape Breton Nova Scotia	LE10	—	—	L82J9M3753251	L82J9M3753251	1
Capital Area Rural Transportation System (CARTS)	L980	—	—	L82J1G9775565	L82J9G9775569	3
Capital Area Transportation Authority Michigan - CATA	LC07	6012	6015	S92J5K9777269	S92J5K9777272	4
Capital Area Transportation Authority Michigan - CATA	LC08	700	718	L82J7K9777278	L82J8K9777306	19
Capital Area Transportation Authority Michigan - CATA	LD34	719	730	L82J8L9777730	L82J2L9777741	12
Capital Area Transportation Authority Michigan - CATA	LD35	6016	6018	S92J3L9777742	S92J7L9777744	3
CHARM city Baltimore - Maryland	LC73	1910218	1910223	L82J4K9777447	L82J8K9777452	6
CHARM city Baltimore - Maryland	LD37	1910234	1910239	L82JXL9777745	L82J3L9777750	6
Chicago Transit Authority - CTA - Illinois	L943	8200	8324	L82JXG9775225	L82J3G9775406	125
Chicago Transit Authority - CTA - Illinois	LB58	8325	8349	L82J7J9776906	L82J8J9776946	25
Chicago Transit Authority - CTA - Illinois	LC53	—	—	L82J4K9777268	L82J4K9777268	1
Chicago Transit Authority - CTA - Illinois	LD75	—	—	L82J0M9777934	L82J0M9777934	1
CMBC (TransLink) - British Columbia	LB31	18301	18404	L82L8J3751245	L82L3J3751444	104
CMBC (TransLink) - British Columbia	LB32	18451	18473	L82J5J9776726	L82J4J9776748	23
Cold Lake Alberta	LA99	5013	5014	L82J7J3751302	L82J9J3751303	2
Cold Lake Alberta	LE02	5017	5017	L82J9M3753122	L82J9M3753122	1
Cornwall Ontario - Metrolinx	LA53	—	—	L82J2H3750892	L82J6H3750894	3
Cornwall Ontario - Metrolinx	LB55	—	—	L82J8J3751468	L82J8J3751468	1
Cornwall Ontario - Metrolinx	LD68	—	—	L82J3M3752922	L82J2M3752927	6
Demo - Altoona electric Bus - LFS-e+ (P9750)	LE01	—	—	L82J4M3752976	L82J4M3752976	1
Demo - Articulated	LD85	—	—	S92L0M3753066	S92L3M3753076	2
Demo - Method Bus BAE	LC87	—	—	L82L5L9777539	L82L5L9777539	1
Demo BAE Nova	LA94	—	—	L82L3H3750806	L82L3H3750806	1
Demo NYCT	L940	—	—	S92J7F4501257	S92J7F4501257	1
Duke University - North Carolina	L938	-	-	L82L8G9775399	L82L0G9775400	2
Duke University - North Carolina	LB08	—	—	L82L9J3751562	L82L2J3751578	3
Duke University - North Carolina	LA38	—	—	L82L9H9775994	L82L9H9775994	1
Duke University - North Carolina	LA39	—	—	S92LXH9775995	S92LXH9775995	1
Durham Region Transit Ontario - Metrolinx	L996	8560	8563	L82J1G3750414	L82J7G3750417	4
Durham Region Transit Ontario - Metrolinx	LA19	8564	8565	L82J9G3750418	L82J0G3750419	2
Durham Region Transit Ontario - Metrolinx	LA50	8566	8578	L82JXH3750901	L82J1H3750916	13
Durham Region Transit Ontario - Metrolinx	LB11	8579	8589	L82J2H9776354	L82J0H9776367	11
Durham Region Transit Ontario - Metrolinx	LB36	6100	6112	L82J2J3751417	L82J7J3751431	13
Durham Region Transit Ontario - Metrolinx	LB60	7100	7103	L82J5J3751539	L82J5J3751542	4
Durham Region Transit Ontario - Metrolinx	LC36	6113	6116	L82J2K3752102	L82J8K3752105	4
Durham Region Transit Ontario - Metrolinx	LC62	9100	9105	S92J7L3752333	S92J6L3752338	6

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Durham Region Transit Ontario - Metrolinx	LD57	6117	6119	L82J8L9777775	L82J1L9777777	3
Durham Region Transit Ontario - Metrolinx	LD91	7104	7117	L82J0M3753056	L82J5M3753070	14
Durham Region Transit Ontario - Metrolinx	LD94	9106	9107	S92J6M3753071	S92J8M3753072	2
Fredericton - New Brunswick	L968	8161	8162	L82J1G3750218	L82J3G3750219	2
Fredericton - New Brunswick	LA15	8171	8174	L82J1H3750589	L82J1H3750592	4
Fredericton - New Brunswick	LA33	8181	8184	L82J6H3750944	L82J1H3750947	4
Grand River Transit Ontario - GRT	LC52	21901	21912	L82J1K9777289	L82J3K9777309	12
Grand River Transit Ontario - GRT	LD19	22001	22031	L82J9L3752633	L82JXL3752723	31
Grand River Transit Ontario - GRT	LE11	22101	22104	L82L2M3753271	L82L8M3753274	4
Guelph Ontario	L985	248	251	L82J7G3750255	L82J2G3750258	4
Guelph Ontario	LA54	252	275	L82J1H3750849	L82J0H3750891	24
Guelph Ontario	LC88	276	280	L82J8L3752378	L82JXL3752382	5
Guelph Ontario	LD33	281	284	L82J8L3752848	L82J8L3752851	4
Halifax Nova Scotia	LA11	1208	1236	L82J1G9775579	L82J4G9775608	29
Halifax Nova Scotia	LA14	1237	1237	L82J1G9775596	L82J1G9775596	1
Halifax Nova Scotia	LA27	1238	1276	L82J5H9775778	L82J9H9775816	39
Halifax Nova Scotia	LB61	1277	1284	L82J9J9776664	L82J6J9776671	8
Halifax Nova Scotia	LB70	1285	1299	L82J4J9776829	L82J9J9776843	15
Halifax Nova Scotia	LC11	1300	1334	L82JXK9777310	L82J5K9777344	35
Halifax Nova Scotia	LD77	1335	1369	L82J0M3752876	L82J7M3752910	35
Halifax Nova Scotia	LE08	1370	1406	L82J3M3753214	L82J7M3753250	37
Houston - Texas	L951	1915	1915	L82J0G9775203	L82J0G9775203	1
Houston - Texas	L952	1580	1580	S92J5G9775318	S92J5G9775318	1
Houston - Texas	L981	1916	1994	L82J8G9775434	L82J4G9775513	79
Houston - Texas	L982	1581	1582	S92J5G9775514	S92J5G9775545	19
Houston Texas - Metro	LC91	2500	2501	L82J4L9777479	L82J0L9777480	2
Houston Texas - Metro	LC92	2502	2534	L82J8L9777601	L82J3L9777618	33
Kingston Ontario - Metrolinx	L889	1687	1689	L82J1G3750252	L82J5G3750254	3
Kingston Ontario - Metrolinx	L954	1683	1686	L82J4G3750259	L82J4G3750262	4
Kingston Ontario - Metrolinx	LA59	1803	1818	L82JXH3750932	L82J4H3750943	11
Kingston Ontario - Metrolinx	LA60	1825	1837	L82J7H3750922	L82J8H3750931	6
Kingston Ontario - Metrolinx	LB34	1821	1841	L82J3J3751412	L82J0J3751416	5
Kingston Ontario - Metrolinx	LB68	1901	1901	L82J1K3751913	L82J1K3751913	1
Kingston Ontario - Metrolinx	LB69	1920	1951	L82J3K3751914	L82J0K3751918	5
Kingston Ontario - Metrolinx	LD65	2101	2105	L82J6M3752865	L82J3M3752869	5
Kingston Ontario - Metrolinx	LD74	2106	2106	L82J4M3752864	L82J4M3752864	1
Lethbridge - Alberta	L997	181	186	L82J5G9775570	L82JXG9775578	6
Lethbridge - Alberta	LA91	189	192	L82J3J9776580	L82J9J9776583	4
Lethbridge - Alberta	LB95	193	198	L82J1K3751894	L82J0K3751899	6
Lethbridge - Alberta	LB96	199	T203	L82J1L3752609	L82J3L3752613	5
Maryland Transit Authority - MTA	LB82	20001	20001	L82J8K9777273	L82J8K9777273	1
Maryland Transit Authority - MTA	LB83	20031	20031	S92J9K9777288	S92J9K9777288	1
Maryland Transit Authority - MTA	LC27	20002	20030	L82JXL9777602	L82J4L9777658	29
Maryland Transit Authority - MTA	LC28	20032	20070	S92J5L9777628	S92J3L9777689	39

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Maryland Transit Authority - MTA	LD82	21001	21070	L82J2M9777921	L82J9M9778127	70
Milton Ontario - Metrolinx	L884	1701	1702	L82J0G3750338	L82J2G3750339	2
Milton Ontario - Metrolinx	LA51	1801	1803	L82J3H3750917	L82J7H3750919	3
Milton Ontario - Metrolinx	LB33	1804	1804	L82J7J3751543	L82J7J3751543	1
Milton Ontario - Metrolinx	LC71	1901	1902	L82J1K3752270	L82J3K3752271	2
Milton Ontario - Metrolinx	LD62	2001	2001	L82J2L9777769	L82J2L9777769	1
Mississauga Ontario	LA64	1730	1766	L82J2H9776077	L82J7H9776253	37
Mississauga Ontario	LA65	1770	1799	S92J8H9776254	S92J2H9776315	30
Mississauga Ontario	LB12	1801	1812	L82J9J9776714	L82J3J9776725	12
Mississauga Ontario	LC26	1901	1910	L82L9K3751966	L82LXK3751975	10
Moncton (Codiac) - New Brunswick	LA06	—	—	L82J3G9775552	L82JXG9775564	9
Moncton (Codiac) - New Brunswick	LA42	—	—	L82J8H9776066	L82J0H9776076	11
Moncton (Codiac) - New Brunswick	LA58	—	—	L82J2J9776389	L82J2J9776389	1
Moncton (Codiac) - New Brunswick	LB84	N/A	N/A	L82J3K9777004	L82J3K9777004	1
Moncton (Codiac) - New Brunswick	LD73	—	—	L82J1M3752918	L82J1M3752921	4
Montgomery County - Maryland	LC33	194600	194600	S92J1K9777351	S92J1K9777351	1
Montgomery County - Maryland	LC34	1946001D	1946015D	S92J4L9777474	S92J2L9777490	15
New York City Transit New York - NYCT	L844	8381	8170	L82J0G9775024	L82J0G9775105	82
New York City Transit New York - NYCT	L845	8171	8480	L82J2G9775106	L82J6G9775187	82
New York City Transit New York - NYCT	L958	5439	5442	S92J9G9775533	S92J9G9775631	4
New York City Transit New York - NYCT	L959	5443	5443	S92J0H9776118	S92J0H9776118	1
New York City Transit New York - NYCT	LA23	5485	5530	S92J5J9776380	S92J6J9776517	46
New York City Transit New York - NYCT	LA73	8504	8507	L82J8J9776445	L82J8J9776476	4
New York City Transit New York - NYCT	LA76	8508	8633	L82J9J9776924	L82J8K9777144	125
New York City Transit New York - NYCT	LB29	5531	5566	S92J9J9776687	S92J6J9776873	36
New York City Transit New York - NYCT	LB59	5444	5484	S92J7H9776195	S92J6H9776379	41
New York City Transit New York - NYCT	LB78	8526	8526	L82J3K9776984	L82J3K9776984	1
New York City Transit New York - NYCT	LB99	5567	5602	S92J2J9776935	S92J5K9777000	36
New York City Transit New York - NYCT	LC32	8634	8754	L82JXK9777145	L82J5K9777277	121
New York City Transit New York - NYCT	LC78	9620	—	L82L4L9777581	L82L6L9777582	2
New York City Transit New York - NYCT	LC79	9623	9784	L82L1M9777782	L82L4M9777954	162
New York City Transit New York - NYCT	LD06	8755	8758	L82J3L9777778	L82J3L9777781	4
New York City Transit New York - NYCT	LD08	8759	8963	L82J5M9778156		205
New York City Transit New York - NYCT	LD23	—	9621	L82LXL9777634	L82L5L9777668	3
New York City Transit New York - NYCT	LD64	9785	9910	L82L0M9777871	L82L1M9778155	126
NFTA - Buffalo, New York	LA30	1717	1724	L82J8H9775838	L82J5H9775845	8
NFTA - Buffalo, New York	LB21	1817	1824	L82J9J9776518	L82J8J9776526	8
Niagara Falls - Ontario	L987	1601	1604	L82J6G3750344	L82J1G3750347	4
Niagara Falls Ontario - Metrolinx	LA97	1805	1808	L82J0J3750993	L82J6J3750996	4
Niagara Falls Ontario - Metrolinx	LA98	1809	1810	S92J7J3751003	S92J9J3751004	2
Niagara Falls Ontario - Metrolinx	LB13	1811	1811	L82J8J3750997	L82J8J3750997	1
Niagara Falls Ontario - Metrolinx	LB98	1935	1936	S92J9K3752106	S92J0K3752107	2
Niagara Falls Ontario - Metrolinx	LC61	1937	1938	S92J2K3752108	S92J4K3752109	2
Niagara Falls Ontario - Metrolinx	LC89	1930	1934	L82J2L9777528	L82J4L9777532	5

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Niagara Falls Ontario - Metrolinx	LD53	2116	2119	S92J7L9777761	S92J2L9777764	4
Niagara Falls Ontario - Metrolinx	LD63	2112	2115	L82J5L9777765	L82J0L9777768	4
North Bay - Ontario	L979	786	787	L82J4G3750312	L82J6G3750313	2
North Bay Ontario - Metrolinx	LB48	788	790	L82J7J3751395	L82J0J3751397	3
North Bay Ontario - Metrolinx	LC38	792	793	L82J3K3752092	L82J7K3752094	2
North Bay Ontario - Metrolinx	LD52	794	794	L82J0L9777771	L82J0L9777771	1
Oakville - Ontario	LB93	—	—	L82J3K3751749	L82J5K3751753	5
Oakville Ontario - Metrolinx	L945	-	-	L82J9G3750211	L82JXG3750217	7
Oakville Ontario - Metrolinx	LA55	—	—	L82J6H3750880	L82J5H3750885	6
Oakville Ontario - Metrolinx	LC57	—	—	L82J6K3752121	L82J5K3752126	6
Oakville Ontario - Metrolinx	LD58	—	—	L82J7M3752857	L82J2M3752863	7
Orillia Ontario - Metrolinx	L965	1722	1724	L82J3G3750320	L82J7G3750322	3
Orillia Ontario - Metrolinx	LA61	1825	1826	L82J2J3751031	L82J4J3751032	2
Ottawa - OC transpo	LB80	4601	4609	L82J0J3751576	L82J3J3751586	9
Ottawa - OC transpo	LC16	4610	4682	L82J7K3751771	L82JXK3751912	73
Ottawa - OC transpo - Metrolinx	LC67	4683	4736	L82J7K3752127	L82J4K3752182	54
Ottawa - OC transpo - Metrolinx	LC68	4737	4775	L82J0K9777428	L82J3K9777472	39
Ottawa - OC transpo - Metrolinx	LD21	4776	4830	L82J5L3752662	L82J3L3752756	55
Ottawa - OC transpo - Metrolinx	LD51	4831	4849	L82J4L9777711	L82J1L9777729	19
Peterborough - Ontario	L966	67	71	L82J2G3750230	L82JXG3750234	5
Peterborough - Ontario	LA41	7217	7617	L82J1H3750706	L82J3H3750710	5
Peterborough - Ontario	LB20	7819	8019	L82J2K3751919	L82J0K3751921	3
Peterborough Ontario - Metrolinx	LD72	—	—	L82J4M3752993	L82J3M3752998	6
Proto EPA 2021 ARTIC	LC75	—	—	S92J4K9777473	S92J4K9777473	1
Regina - Saskatchewan	L949	692	696	L82J3G3750205	L82J0G3750209	5
Regina - Saskatchewan	L992	-	-	L82J6G3750294	L82J3G3750298	5
Regina - Saskatchewan	LA44	814	829	L82J0H3750776	L82J7H3750791	16
Regina - Saskatchewan	LA66	833	836	L82J0J3751612	L82J6J3751615	4
Regina - Saskatchewan	LB16	830	830	L82J0H3750793	L82J0H3750793	1
Regina - Saskatchewan	LB17	831	831	L82J2H3750794	L82J2H3750794	1
Regina - Saskatchewan	LB18	832	832	L82J4H3750795	L82J4H3750795	1
Regina - Saskatchewan	LD78	—	—	S92J8M3752911	S92JXM3752912	2
RMA World wide chauffeured Transportation	LC98	N/A	N/A	L82J6L9777693	L82J7L9777704	12
Rochester New York - RTS	LB76	1901	1901	L82J3K9777052	L82J3K9777052	1
Rochester New York - RTS	LB77	1902	1910	L82J4K9777352	L82J3K9777360	9
San Juan Puerto Rico	LC03	2019-01	2019-06	L82J9K9777251	L82J8K9777256	6
San Juan Puerto Rico	LD01	2020-01	2020-01	L82J0L9777561	L82J0L9777561	1
San Juan Puerto Rico	LD32	2021-01	2021-10	L82J5L9777751	L82J6L9777760	10
San Juan Puerto Rico	LE06	2021-11	2021-17	L82JXM9778136	L82J5M9778142	7
Sarnia Ontario	L963	162	162	L82J7G3750305	L82J7G3750305	1
Sarnia Ontario	LA36	171	172	L82J8H3750752	L82JXH3750753	2
Sarnia Ontario - Metrolinx	LD56	201	202	L82J7M3752874	L82J9M3752875	2
Saskatoon - Saskatchewan	L953	1601	1610	L82J9G3750158	L82JXG3750167	10
Saskatoon - Saskatchewan	LA29	1701	1711	L82J7H9775846	L82JXH9775856	11

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Saskatoon - Saskatchewan	LA92	1718	1732	L82J0H9776319	L82J8H9776343	15
Saskatoon - Saskatchewan	LB73	1901	1907	L82J6K9776977	L82J1K9776983	7
Sault Ste. Marie Ontario	L934	—	—	L82JXG3750038	L82JXG3750038	1
Sault Ste. Marie Ontario	LC06	—	—	L82J3K3751900	L82J5K3751901	2
St. Catharines Ontario - Metrolinx	L882	1601	1605	L82J9G3750225	L82J9G3750229	5
St. Catharines Ontario - Metrolinx	LA62	1801	1813	L82J8J3751034	L82J4J3751046	13
St. Catharines Ontario - Metrolinx	LB06	1860	1862	S92J1J3751000	S92J5J3751002	3
St. Catharines Ontario - Metrolinx	LB09	1740	1740	L82J6J3751033	L82J6J3751033	1
St. Catharines Ontario - Metrolinx	LC84	2040	2043	L82J6L9777533	L82J1L9777536	4
St. Catharines Ontario - Metrolinx	LD54	2140	2140	S92J8L9777770	S92J8L9777770	1
St. Catharines Ontario - Metrolinx	LD67	2101	2112	L82J8M3752981	L82J2M3752992	12
St. John - New Brunswick	L939	40687	40687	L82J0G3750078	L82J0G3750078	1
St. John - New Brunswick	LB05	38888	38899	L82J8J3750983	L82J1J3750999	12
Stratford - Ontario	LB19	—	—	L82J3J3751183	L82J5J3751184	2
Stratford Ontario - Metrolinx	LD66	—	—	L82JXM3752870	L82J5M3752873	4
Strathcona County Transit Edmonton Alberta	LD20	2031	2035	L82J3L3752742	L82J0L3752746	5
Sudbury - Ontario	L994	861	865	L82J1G3750364	L82J9G3750368	5
Sudbury - Ontario	LA46	871	873	L82J1H3750821	L82J5H3750823	3
Sudbury - Ontario	LB27	881	883	L82J9J3751382	L82J2J3751384	3
Sudbury Ontario - Metrolinx	LD71	910	919	L82J8M3753001	L82J9M3753010	10
Thunder Bay Ontario - Metrolinx	L944	—	—	L82J6G3750084	L82JXG3750086	3
Thunder Bay Ontario - Metrolinx	LA01	—	—	L82J5H3750448	L82J7H3750449	2
Thunder Bay Ontario - Metrolinx	LA57	—	—	L82J8H3750895	L82J8H3750928	12
Timmins - Ontario	L995	-	-	L82JXG3750377	L82JXG3750377	1
Timmins - Ontario	LB07	—	—	L82J1J3751005	L82J3J3751006	2
Timmins - Ontario	LC02	—	—	L82JXK3751926	L82JXK3751926	1
Timmins - Ontario Metrolinx	LD70	—	—	L82J2M3752913	L82J2M3752913	1
Toronto Transit Commission - TTC - Ontario	L937	8510	8617	L82J9G3750001	L82J3G3750401	108
Toronto Transit Commission - TTC - Ontario	L998	8620	8716	L82J3H3750545	L82J4H3750683	97
Toronto Transit Commission - TTC - Ontario	LA67	8720	8919	L82J4H9775996	L82J3H9776248	200
Toronto Transit Commission - TTC - Ontario	LA68	8920	8964	L82J6H3750796	L82JXH3750848	45
Toronto Transit Commission - TTC - Ontario	LA69	9200	9239	L82J9J9776390	L82JXJ9776429	40
Toronto Transit Commission - TTC - Ontario	LB28	3180	3329	L82J0J9776584	L82J4J9776815	150
Toronto Transit Commission - TTC - Ontario	LB45	3100	3179	L82J8J3751163	L82J8J3751244	80
Toronto Transit Commission - TTC - Ontario	LB57	3455	3569	L82L4J3751503	L82L9K3751739	115
Toronto Transit Commission - TTC - Ontario	LB62	3400	3400	L82L5J3751381	L82L5J3751381	1
Toronto Transit Commission - TTC - Ontario	LB75	3330	3369	L82J6J9776816	L82J5J9776886	40
Toronto Transit Commission - TTC - Ontario	LB79	3401	3454	L82L5J3751445	L82L2J3751502	54
Toronto Transit Commission - TTC - Ontario	LB89	3570	3654	L82L6K3752007	L82LXK3752091	85
Trimet Portland Oregon	LD14	4501	4501	S92J3M9777922	S92J3M9777922	1
Trimet Portland Oregon	LD15	4502	4531	S92J6M9778188		30
University of Alabama - Alabama	L961	7032	7033	L82J7G9775294	L82J9G9775295	2
University of Alabama - Alabama	LA02	7034	7037	L82J8G9775546	L82JXG9775550	4
Vancouver Airport Authority - YVR British Columbia	L856	705	706	L82LXH3750530	L82L1H3750531	2

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Welland Ontario - Metrolinx	L991	-	-	L82J9G3750287	L82J9G3750287	1
Welland Ontario - Metrolinx	LA52	—	—	L82J2H3750911	L82J4H3750912	2
Welland Ontario - Metrolinx	LA93	—	—	L82J6H3750913	L82J6H3750913	1
Welland Ontario - Metrolinx	LC19	—	—	L82J2K3751922	L82J4K3751923	2
Welland Ontario - Metrolinx	LC37	—	—	L82J6K3751924	L82J8K3751925	2
Welland Ontario - Metrolinx	LC85	—	—	L82J0L9777527	L82J0L9777527	1
Whitehorse - Yukon	LA04	—	—	L82J2G3750390	L82J4G3750391	2
Whitehorse - Yukon	LB03	—	—	L82J9H9776352	L82J0H9776353	2
Whitehorse - Yukon	LD31	N/A	N/A	L82J2L3752747	L82J4L3752748	2
Whitehorse - Yukon	LD50	—	—	L82J5M3752999	L82J6M3753000	2
Windsor Ontario - Metrolinx	LA56	578	601	L82J5J3751007	L82J0J3751030	24
Windsor Ontario - Metrolinx	LB24	8025	8026	L82JXJ3751424	L82J1J3751425	2
Windsor Ontario - Metrolinx	LC21	8027	8045	L82J3L9777540	L82J0L9777558	19
Woodstock - Ontario	LA08	17-08	17-08	L82J3H3750514	L82J3H3750514	1
Woodstock - Ontario	LB04	18-04	18-14	L82J3H9776363	L82J5H9776364	2
York Regional Transit Ontario - Metrolinx	L964	1770	1774	S92J6G3750420	S92J3G3750424	5
York Regional Transit Ontario - Metrolinx	L967	1601	1621	L82J2G9775414	L82J8G9775627	21
York Regional Transit Ontario - Metrolinx	LA07	1701	1715	L82J9G3750340	L82JXG3750363	15
York Regional Transit Ontario 60'	LC24	1971	1980	S92J0K3752110	S92J3K3752120	10

Dear Customers,

Due to DEF header part shortages, Cummins issued the Temporary Repair Practice: **TRP2484 - ECM Calibration for DEF Header Sensor Failures du to Parts Shortage TRP** to allow a temporary calibration to be loaded in the engine ECM, in the event of a DEF sensors failure. Cummins agreed to implement calibration uploads through its Cummins authorized repair locations under certain conditions.

AUTHORIZATION CODE REQUIRED

Cummins will download a temporary calibration for all vehicles with an authorization code obtained from Nova Bus. To obtain their authorization codes, customers must contact their Nova Bus Customer Service Manager and meet the following conditions:

- Must have one or more DEF header sensor fault code(s) 3868, 4572 and/or 4677 active or has more than one inactive count within the last 25 engine operating hours.
- Make a commitment to revert the calibration following the return of the availability of the DEF sensors.

VEHICLE UNDER WARRANTY

Costs related to Cummins **TRP2484 - ECM Calibration for DEF Header Sensor Failures du to Parts Shortage TRP** are subject to vehicle emissions warranty at time of failure.

VEHICLE OUT OF WARRANTY

The work and costs incurred for the application of Cummins **TRP2484 - ECM Calibration for DEF Header Sensor Failures du to Parts Shortage TRP** will be invoiced to Nova Bus and subsequently charge back to the customer unless the vehicle is still covered by its original emissions warranty at time of failure.

Contact your **Nova Bus Customer Service Manager** for details, authorization code and agreement. ❖