

REFERENCE:	Nova Bus Manuals
SECTION:	19: Fire detection system
RS N°:	MQR 7621-2382

APPLICATION DEADLINES: 2023DE31
CLAIM REFERENCE NUMBER: WB5320

SUBJECT:	Fire detection system
JUSTIFICATION:	Fire light coming on in the dash

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Addition of a bracket so water won't drip on temperature sensor	Client	Nova Bus	—
2	—	—	—	—

MATERIAL REQUIRED PER VEHICLE			
QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
1	N106939	—	SUPPORT THERMOSTAT AMEREX
2	N40492	B	SCREW M6X20 H YZ TRIV 96H 8.8
2	N44887	B	NUT LOCKNYL M6 YZ TRIV 96H C8
LEVEL 2			
—	—	—	—

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	2022NO07	Initial release	Andre Pelletier

APPROVED BY:

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Academy Busline - New Jersey	LC95	—	—	L82J2L9777559	L82J9L9777560	2
Academy Busline - New Jersey	LD60	—	—	L82JXM3752934	L82JXM3752948	15
Academy Busline - New Jersey	LE57	2201	2221	L82J9N3753381	L82J2N3753402	21
Airdrie Transit - Alberta	LD26	—	—	S92J9L3752852	S92J0L3752853	2
Airdrie Transit - Alberta	LD27	—	—	L82J3L3752854	L82J7L3752856	3
Airdrie Transit Alberta	LC17	3725	3726	L82J3K3751850	L82J5K3751851	2
Ames Transportation Agency - Iowa	LE35	6149	6149	S92J2M9778219	S92J2M9778219	1
Ames Transportation Agency - Iowa	LE52	7157	7158	L82M2N9778417	L82M4N9778418	2
Ames Transportation Agency - Iowa	LE80	6150	6150	S92J0N9778530	S92J0N9778530	1
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
Ann Arbor Area Transportation Authority Michigan - AAATA	LE73	2200	2207	L82JXN9778509	L82J7N9778516	8
Barrie Ontario - metrolinx	LC63	2001	2002	L82J3L9777537	L82J5L9777538	2
Barrie Ontario - Metrolinx	LD55	2101	2103	L82J2L9777772	L82J6L9777774	3
Barrie Ontario - metrolinx	LE18	2201	2203	L82J1M3753325	L82J5M3753327	3
Barrie Ontario - metrolinx	LE46	2204	2206	L82J7M3753328	L82J5M3753330	3
Boston Massachusetts Bay Transportation Authority - MBTA	LE54	—	—	L82L2N9778330	L82L2N9778330	1
Bow Valley Transit - Alberta	LB86	N/A	N/A	L82J8K9777001	L82J1K9777003	3
Brantford - Ontario	LE59	102201	102205	L82J0N3753494	L82J4N3753501	5
Brantford Ontario	LE09	102105	102109	L82J8M3753208	L82JXM3753212	5
Buffalo New York - NFTA	LC12	1901	1923	L82K6K9777345	L82K8K9777377	23
Burlington Ontario - metrolinx	LC18	1901	1907	L82J9K3752095	L82J0K3752101	7
Burlington Ontario - Metrolinx	LD86	2101	2108	L82J2M3753043	L82J8M3753080	8
Burlington Ontario - metrolinx	LE48	72201	72207	L82J8N3753372	L82J9N3753378	7
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	LC75	—	—	S92J4K9777473	S92J4K9777473	1
Capital Area Transportation Authority Michigan - CATA	LD34	719	730	L82J8L9777730	L82J2L9777741	12
Capital Area Transportation Authority Michigan - CATA	LD35	6016	6018	S92J3L9777742	S92J7L9777744	3
Capital Area Transportation Authority Michigan - CATA	LE04	731	737	L82J2N9778519	L82J8N9778525	7
CHARM city Baltimore - Maryland	LC73	1910218	1910223	L82J4K9777447	L82J8K9777452	6
CHARM city Baltimore - Maryland	LD37	1910234	1910239	L82JXL9777745	L82J3L9777750	6
Chicago Transit Authority - CTA	LD76	8350	8449	L82J0N9778289	L82J8N9778444	100
Chicago Transit Authority - CTA - Illinois	LD75	—	—	L82J0M9777934	L82J0M9777934	1

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Cornwall - Ontario - Metrolinx	LD68	—	—	L82J3M3752922	L82J2M3752927	6
Cornwall - Ontario metrolinx	LE37	—	—	L82L3N3753491	L82L7N3753493	2
Durham Region Transit Ontario - Metrolinx	LB60	7100	7103	L82J5J3751539	L82J5J3751542	4
Grey Lines - Nashville Tennessee	LC53	—	—	L82J4K9777268	L82J4K9777268	1
Hamilton - Ontario - metrolinx	LE55	2101	2120	L82KXN3753477	L82K6N3753525	20
Houston - Texas	LB72	2051	2069	L82K6J9776887	L82K4J9776905	19
Houston Texas - Metro	LC55	2070	2079	L82KXK9777378	L82K0K9777387	10
Houston Texas - Metro	LC91	2500	2501	L82J4L9777479	L82J0L9777480	2
Houston Texas - Metro	LC92	2502	2534	L82J3L9777585	L82J3L9777618	33
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
Mack Defense	LE68	—	—	L82J6N9778460	L82J7N9778533	4
Maryland Transit Administration - MTA	LE53	22001	22020	L82JXN9778526	L82J0N9778549	20
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
Maryland Transit Authority - MTA	LD82	21001	21070	L82J2M9777921	L82J9M9778127	70
Milton - Ontario	LB33	1804	1804	L82J7J3751543	L82J7J3751543	1
Milton Ontario - Metrolinx	LC71	1901	1902	L82J1K3752270	L82J3K3752271	2
Milton Ontario - Metrolinx	LD62	2001	2001	L82J2L9777769	L82J2L9777769	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
NFTA - Buffalo, New York	LE03	2261	2270	L82J3N9778433	L82J8N9778458	10
North Bay Ontario - metrolinx	LC38	792	793	L82J3K3752092	L82J7K3752094	2
North Bay Ontario - Metrolinx	LD52	794	794	L82J0L9777771	L82J0L9777771	1
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 Antonio Texas	LC70	801	806	L82K3L9777577	L82K3L9777577	6
San Antonio Texas	LD11	726	738	L82K1L9777562	L82K8L9777574	13
San Antonio Texas	LD12	988	989	L82KXL9777575	L82K1L9777576	2
San Antonio Texas - VIA	LD13	739	747	L82K4L9777619	L82K4L9777619	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
San Juan Puerto Rico	LE83			L82J0N9778616	L82J3N9778626	11
Sarnia Ontario - Metrolinx	LD56	201	202	L82J7M3752874	L82J9M3752875	2
Sarnia Ontario - metrolinx	LE23	211	212	L82JXN3753356	L82J1N3753357	2

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Stratford Ontario - Metrolinx	LD66	—	—	L82JXM3752870	L82J5M3752873	4
Stratford Ontario - metrolinx	LE41	—	—	L82J1N3753360	L82J3N3753361	2
Strathcona County Transit - Alberta	LE15	2034	2037	L82J2M3753298	L82J9M3753301	4
Strathcona County Transit Edmonton Alberta	LD20	2031	2035	L82J3L3752742	L82J0L3752746	5
Sudbury Ontario - Metrolinx	LD71	910	919	L82J8M3753001	L82J9M3753010	10
Sudbury Ontario metrolinx	LE25	921	927	L82J1M3753339	L82J7M3753345	7
Thunder Bay Ontario - metrolinx	LE47	239	240	L82J5N3753362	L82J7N3753363	2
Trimet Portland Oregon	LD14	4501	4501	S92J3M9777922	S92J3M9777922	1
Trimet Portland Oregon	LD15	4502	4531	S92J6M9778188	S92J7N9778296	30
University of Vermont	LC87	—	—	L82L5L9777539	L82L5L9777539	1
Welland Ontario - metrolinx	LC19	—	—	L82J2K3751922	L82J4K3751923	2
Welland Ontario - metrolinx	LC37	—	—	L82J6K3751924	L82J8K3751925	2
Welland Ontario - metrolinx	LC85	—	—	L82J0L9777527	L82J0L9777527	1
Welland Ontario - metrolinx	LE22	—	—	L82J7M3753331	L82J9M3753332	2
Welland Ontario - metrolinx	LE38	—	—	L82J0M3753333	L82J0M3753333	1
Windsor Ontario - metrolinx	LE44	8046	8069	L82J8N3753503	L82JXN3753535	24

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

PROCEDURE

- 1.1. Park the vehicle on an even surface with the transmission on neutral.
- 1.2. Apply the parking brake and set the master control switch to the **stop** position.
- 1.3. Set the battery disconnect switch in the battery compartment to the **off** position.
- 1.4. Access the thermostat sensor in the engine compartment.

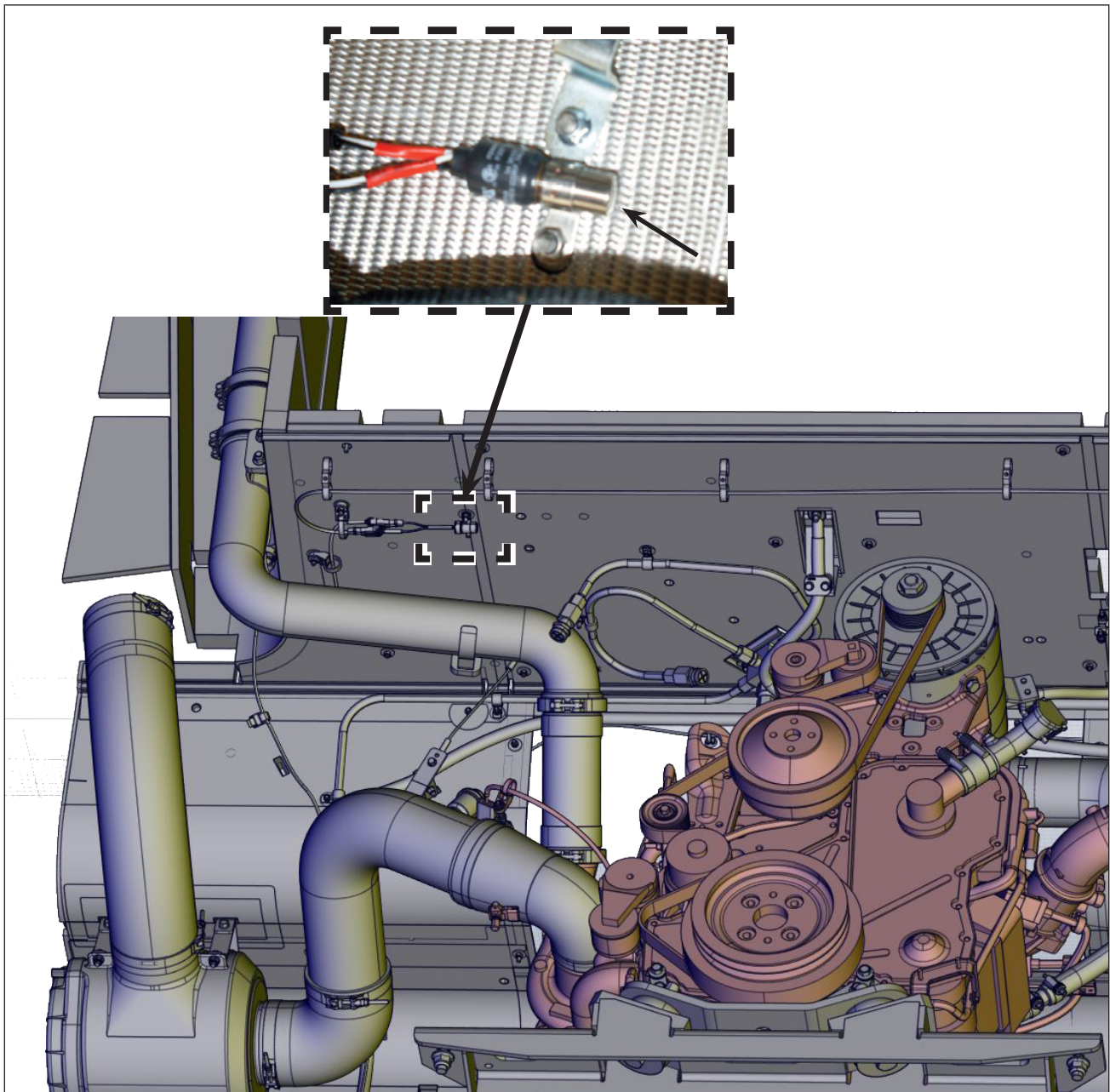


Figure 1 - Thermostat Sensor Localisation

- 1.5. Remove the sensor and clean it with a brush and brake cleaner. Keep the hardware.
- 1.6. Fix the sensor on the new support N106939 with the new hardware and fix the support on the bus at the same location with the original hardware. See the following figures.
- 1.7. The vehicle can return in service.



Figure 2 - Final Installation