NOVA BUS RECALL CAMPAIGN CR5668E

REFERENCE:	Nova Bus Manuals
SECTION:	09: Engine & Cooling
RS Nº:	MQR 7621-2767
EFFECTIVE IN PROD.:	(2024OC)
TC RECALL Nº:	2024-706
NHTSA RECALL Nº:	24V-873

APPLICATION DEADLINES: N/A
CLAIM REFERENCE NUMBER: SR5668

SUBJECT:	Surge Tank - Coolant Critical Low Level Sensor
JUSTIFICATION:	Certain vehicles may have been manufactured with a defective coolant sensor used to detect the “critical low” level of coolant. A defective sensor could send a false signal to the engine that the coolant level is critically low which would lead to an engine shutdown. An unexpected engine shutdown may increase the risk of a crash.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replace the existing Coolant Critical Low Level Sensor.	Nova Bus	Nova Bus	45 min
2	–	–	–	–

MATERIAL REQUIRED PER VEHICLE

QTY	PART Nº	REV.	DESCRIPTION
LEVEL 1			
1	N108036	–	Sensor Coolant Level
LEVEL 2			
–	–	–	–

Materials will be available within 14 days once your order has been placed.
To order, please contact 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	* 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	2025JA19	Initial release	Annie St-Jacques

APPROVED BY:

Matthew Cyr
Digitally signed by Matthew Cyr
Date: 2025.02.19 17:21:42 -05'00'

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Buffalo New York - NFTA	LF43	2315	2324	[redacted]		10
Burlington Ontario - Metrolinx	LF32	7-2306	7-2309			4
Calgary Transit Alberta	LF66	8522	8533			12
Cape Breton Nova Scotia	LF34	—				1
Capital Area Transportation Authority Michigan - CATA	LF62	738	745			8
Capital Area Transportation Authority Michigan - CATA	LF63	6021				1
Chicago Transit Authority - CTA	LF11	8550	18			100
Chicago Transit Authority - CTA	LF52	8650	8749			38
CMBC - Translink	LF60	H24101	H24115			15
CMBC - Translink	LF60	H24117	H24125			9
CMBC - Translink	LF60	H24127				1
Grand River Transit Ontario - GRT	LF08	22312	22318			7
Hamilton Ontario - Metrolinx	LF27	2251	2292			42
Honolulu Hawaii	LF30	6032	6039			8
Maryland Transit Administration - MTA	LF46	23001	23070			70
Moncton New Brunswick (Codiac)	LF47	—				1
Moose Jaw Saskatchewan	LF44	18				1
New York City Transit, New York - NYCT	LE84	8964	9091			128
New York City Transit, New York - NYCT	LE84	9093	9095			3
New York City Transit, New York - NYCT	LE84	9097				1
New York City Transit, New York - NYCT	LF51	9100	9177			78
Niagara Transit Commission - Metrolinx	LE34	2339	2340			2
North Bay Ontario - Metrolinx	LE98	795				1
Puerto Rico Highway and Transportation Authority – PRHTA	LF14	23-01	23-09			9
Toronto Transit Commission Ontario - TTC	LE65	7021	7123			103
Toronto Transit Commission Ontario - TTC	LF42	7124	7133			10
University Of Alabama	LF40	7040	7048			9
Windsor Ontario - Metrolinx	LE61	8070	8071			2

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.

DRAINING THE COOLANT SURGE TANK

CAUTION

It is strongly recommended that you allow the engine to cool to reduce the risk of injury.

1.4. Drain the engine circuit coolant surge tank to a level lower than the Coolant Critical Low Level Sensor (Figure 1). This can be done with a hand or pneumatic pump, etc. Keep the coolant.

NOTE

For information on draining and filling the cooling system, see section *09: Engine and Cooling* **of your Novabus maintenance manual.**

SENSOR REPLACEMENT

1.5. Locate the Coolant Critical Low Level Sensor on the side of the engine circuit coolant surge tank (Figure 1).

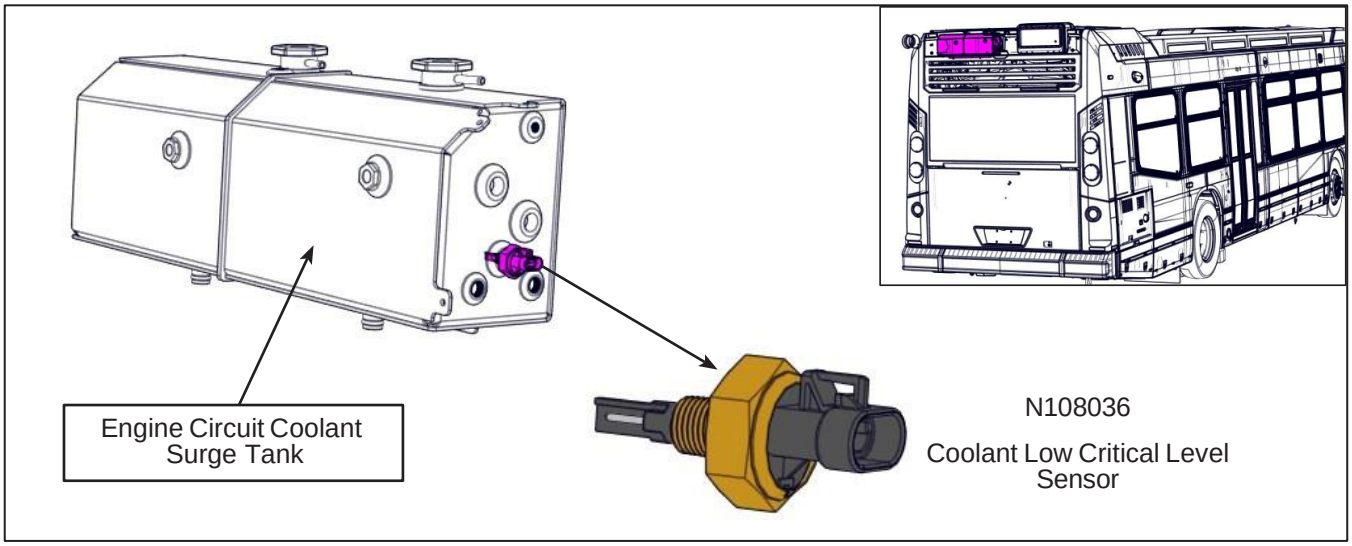

Figure 1 - The Coolant Critical Low Level Sensor Location

1.6. Disconnect the sensor from the vehicle harness (Figure 2).

1.7. Unscrew the sensor to remove and discard.

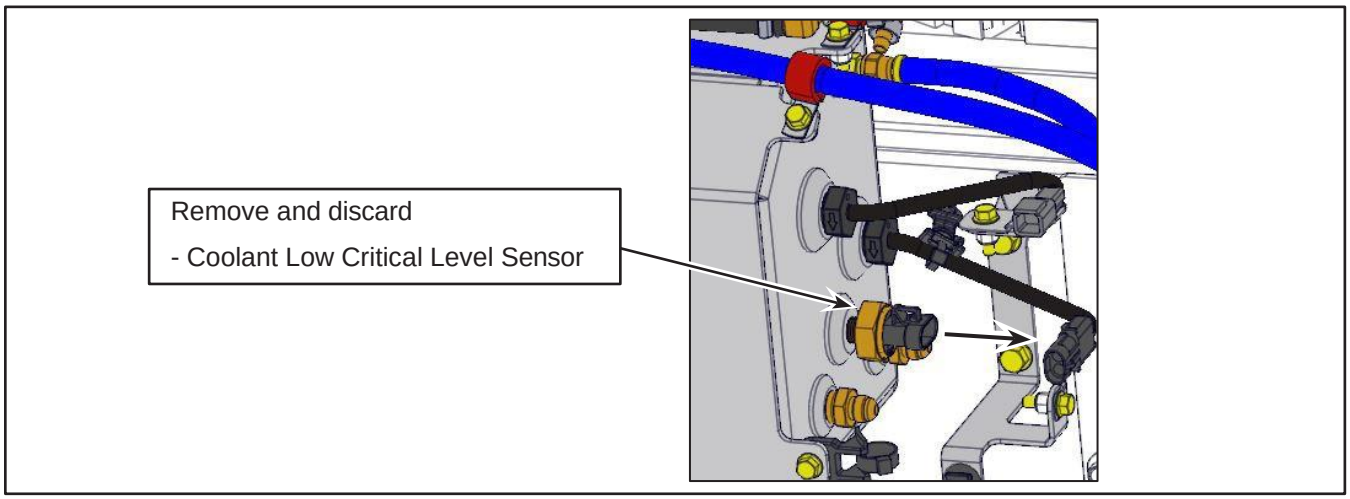

Figure 2 - Disconnect and Remove the Coolant Level Sensor

1.8. Install the new N108036 Coolant Level Sensor as per instructions in Figure 3. Use N74760 Thread Sealant Loctite 577 or equivalent on threads.

1.9. Connect the new sensor to the vehicle harness and secure cables with cable ties.

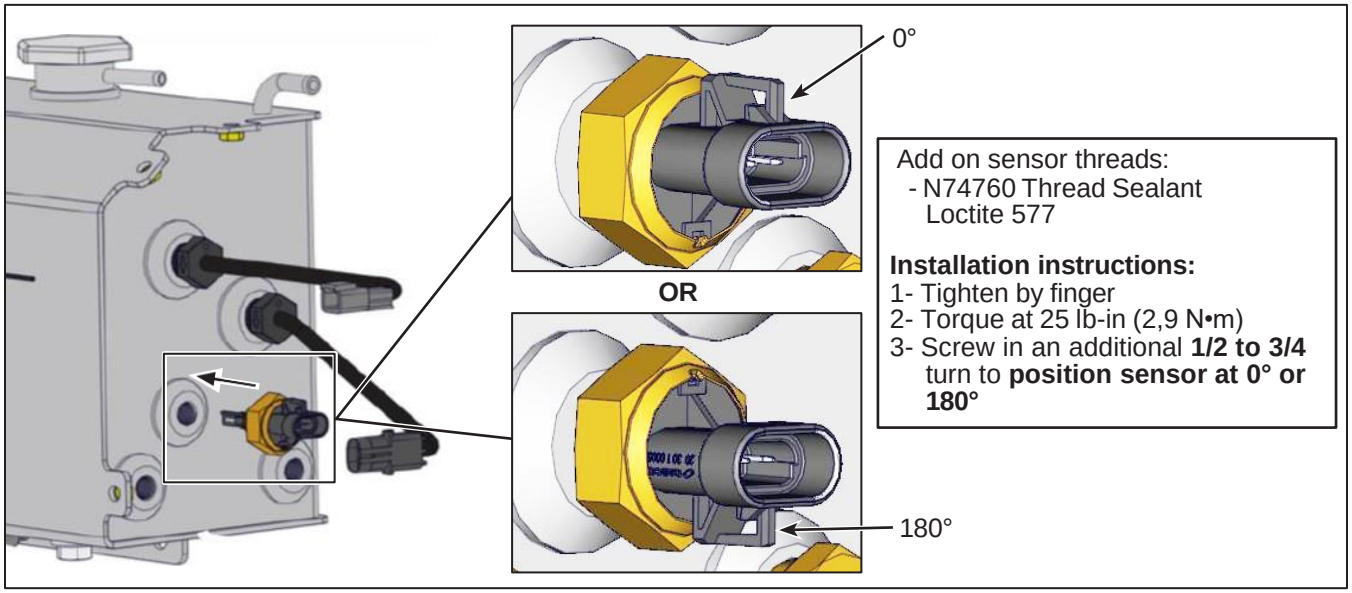

Figure 3 - Coolant Critical Level Sensor Installation

FILLING SURGE TANK

1.10. Fill the surge tank.

1.11. The vehicle can be returned to service. ❖