NOVA BUS **SERVICE BULLETIN** **BS4972ER1**

REFERENCE:	Nova Bus Manuals
SECTION:	09: Engine and Cooling
RS Nº:	MQR 7621-1684
EFFECTIVE IN PROD.:	LD77

APPLICATION DEADLINE: 2022JL08
CLAIM REFERENCE NUMBER: WB-4972

SUBJECT:	Intermittent low oil level alarms.
JUSTIFICATION:	Reports of intermittent low oil level telltale alarms when oil level is adequately filled.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replacement of Hydraulic Oil Level Sensor.	Novabus	Novabus	0.25 hr
2	–	–	–	–

MATERIAL

QTY	PART Nº	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	N99760	–	SENSOR LEVEL HYDRAULIC	N85184
1	G5007994	–	CABLE TIE (8428098,99,8877976)	–
LEVEL 2				
–	–	–	–	–
SHOP SUPPLY				
2 ml	N37086	–	LOCTITE THREAD SEALANT WHITE	–

Note:

N37086 (LOCTITE THREAD SEALANT WHITE)
1 ea = 250ml
2 ml / Bus
336 ml for 168 buses
1.34~2 Tubes for the entire campaign.

Materials will be available within 67 days once your order has been placed. To order, please 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. Use the supplier Purosil to order the parts

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	2020DE17	Initial release	Devanand
R1	2021MR26	Revised Client list LC98 added.	Devanand

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: 2021.03.26 10:28:19 -04'00'

	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
	CMBC (TransLink) - British Columbia	LB31	18301	18404	L82L8J3751245	L82L3J3751444	104
	CMBC (TransLink) - British Columbia	LB32	18451	18473	L82J5J9776726	L82J4J9776748	23
	CMBC (TransLink) - British Columbia	LB74	H19301	H19302	L82M3K3751678	L82M7K3751702	2
	Thunder Bay Ontario - Metrolinx	LA01	—	—	L82J5H3750448	L82J7H3750449	2
	Thunder Bay Ontario - Metrolinx	LA57	—	—	L82J8H3750895	L82J8H3750928	12
	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
+	RMA World wide chauffeured Transportation	LC98	N/A	N/A	L82J6L9777693	L82J7L9777704	12

WARNING

Follow your internal safety procedures.

PROCEDURE

1.1. Park the vehicle on an even surface with transmission in neutral (N).

1.2. Turn the ignition switch to OFF position and engage the parking brake.

1.3. Set the master control switch in the STOP position (see figure 1).

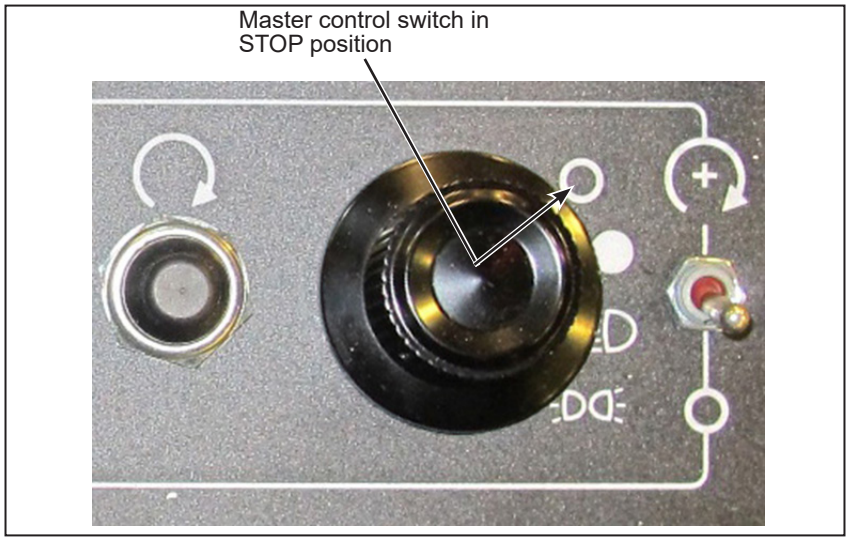

Figure 1 - Master Control Switch in STOP Position

1.4. Set the battery disconnect switch in the battery compartment to the OFF position (see figure 2).

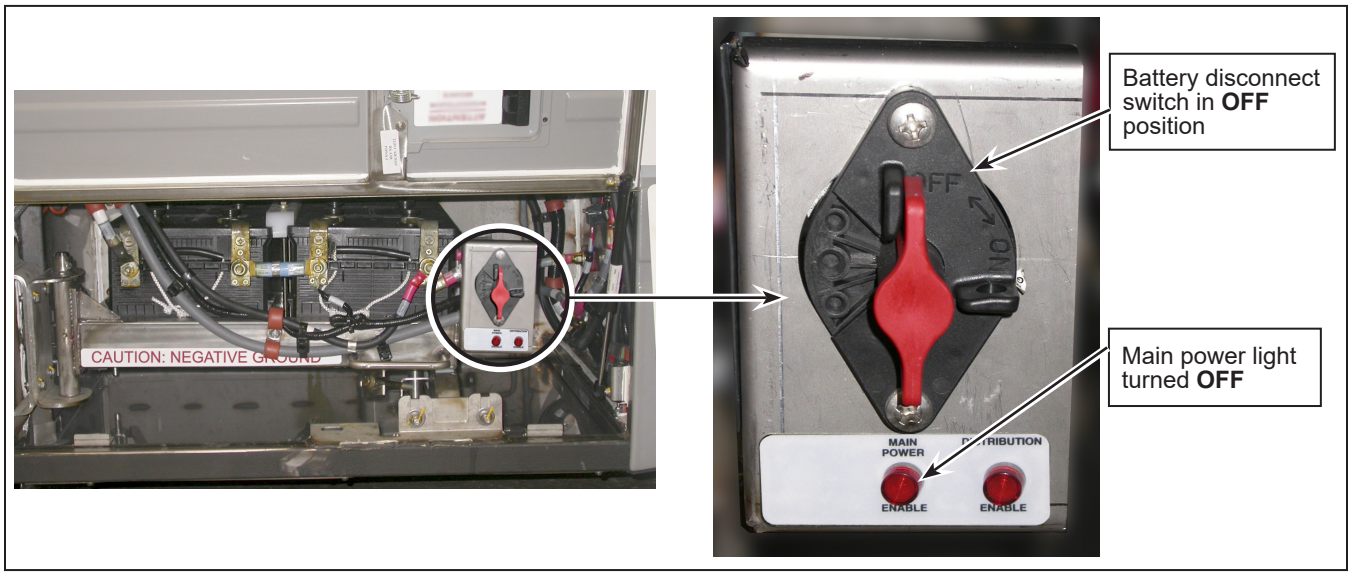

Figure 2 - View of Battery Disconnect Switch

WARNING

Before starting any work on the vehicle, make sure the vehicle is completely and securely stationary. Disconnect the starting circuit on the control box at the rear of the vehicle and place the battery disconnect switches in the OFF position.

FOR DIESEL BUS CONFIGURATION:

1.5. Open the engine compartment rear door to access the hydraulic tank (see figures 3 and 4)

1.6. Cut the cable tie and disconnect the hydraulic oil level sensor electrical connector (see figure 4).

Figure 3 - Rear Door Compartment

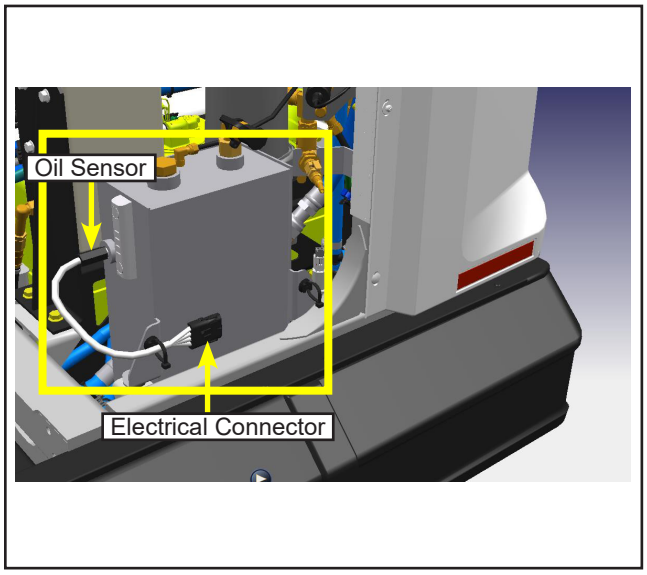

Figure 4 - Hydraulic Tank Location

FOR HYBRID BUS CONFIGURATION:

1.7. Open the eSteering compartment door to access the hydraulic tank (see figures 5 and 6).

1.8. Disconnect the hydraulic oil level sensor electrical connector (see figure 6).

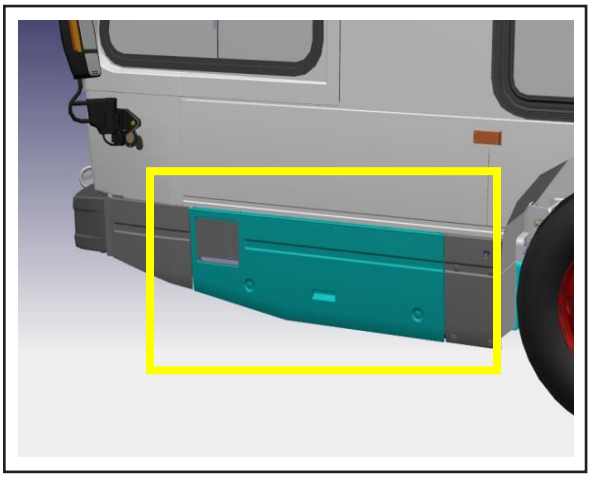

Figure 5 - eSteering Compartment

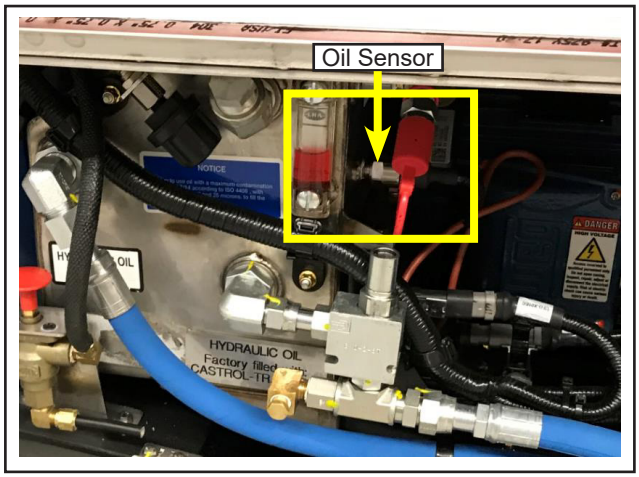

Figure 6 - Hydraulic Tank Location

1.9. Apply a bead of Loctite 565 thread sealant (P/N N37086) onto male threads of the new sensor starting two threads from the end (see figure #7).

1.10. Unscrew and remove the existing oil sensor from the hydraulic oil tank.

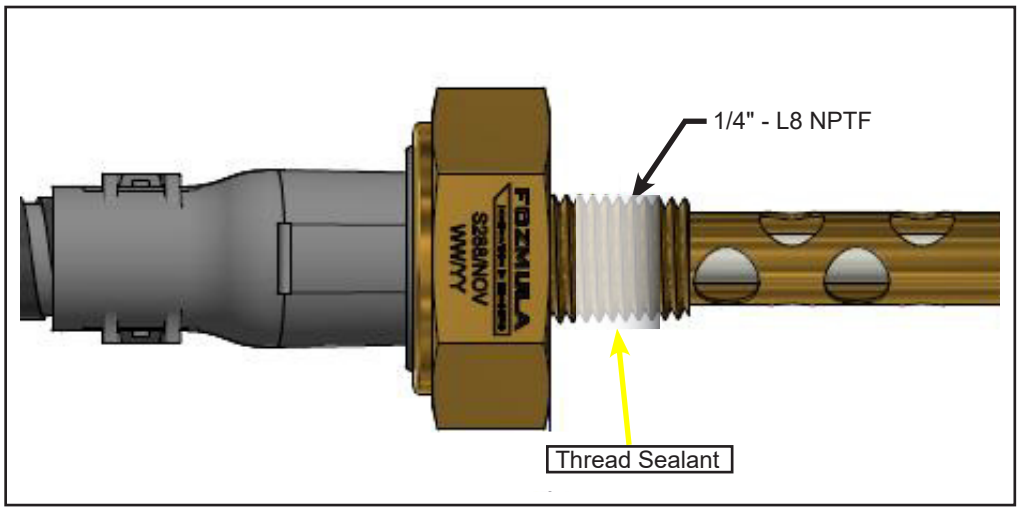

Figure 7 - Hex Head Plug

1.11. Use a clean rag or cloth to catch any fluid that may escape the hydraulic oil tank sensor threaded hole.

1.12. Immediately insert the new sensor into the hole and quickly fasten it finger tight. Torque to 2 turns past finger tight using an appropriate wrench. The recommended installation torque is 9Nm. (There is no specific mounting orientation to respect).

1.13. Apply torque seal bead once tightened.

1.14. Reconnect electrical connector and tie wrap to existing support.

1.15. Return the bus to service.❖