

REFERENCE:	Nova Bus Manuals
SECTION:	14: Heating and Ventilation
RS N°:	MQR 7621-2265
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINE: 2023JN13
CLAIM REFERENCE NUMBER: WB-5165

SUBJECT:	Bracket installation to add a strain relief on the MCC display screen wires.
JUSTIFICATION:	MCC Driver's Display Electrical Terminal Failure.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	New Bracket installation on upper driver panel	Novabus	Novabus	0.5 hr
2	–	–	–	–

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	N81344	–	CABLE TIE-EC21 VERT 50LBS 8"L	–
4	N32320	–	SCREW M3 X 20 MACH PAN CR SS	–
2	N25917	–	NUT LOCKNYL M3 ZC DIN 985	–
2	N80260	–	WASHER M3 SS BLK OX DIN125	–
1	N104152	–	BRACKET - MCC DISPLAY WIRES	–
LEVEL 2				
–	–	–	–	–
SHOP SUPPLY				
–	–	–	–	–

Materials will be available within 102 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	2021SE23	Initial release	Rajendra N M
R1	2022JA20	Order LE11 added to the client list	Rajendra N M

APPROVED BY:

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
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
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	LC88	276	280	L82J8L3752378	L82JXL3752382	5
Guelph Ontario	LD33	281	284	L82J8L3752848	L82J8L3752851	4
Houston - Texas	LB63	2050	2050	L82K2J9776708	L82K2J9776708	1
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	L82J8L9777601	L82J3L9777618	33
Moncton (Codiac) - New Brunswick	LB84	N/A	N/A	L82J3K9777004	L82J3K9777004	1
Moncton (Codiac) - New Brunswick	LD73	—	—	L82J1M3752918	L82J1M3752921	4
Timmins - Ontario Metrolinx	LD70	—	—	L82J2M3752913	L82J2M3752913	1
Timmins Ontario	LC02	—	—	L82JXK3751926	L82JXK3751926	1

**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).

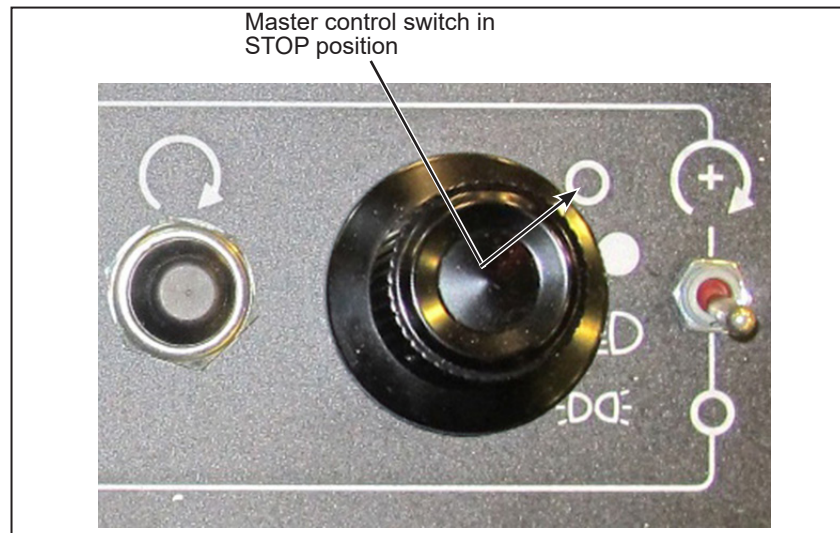


Figure 1 - Master Control Switch in STOP Position

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

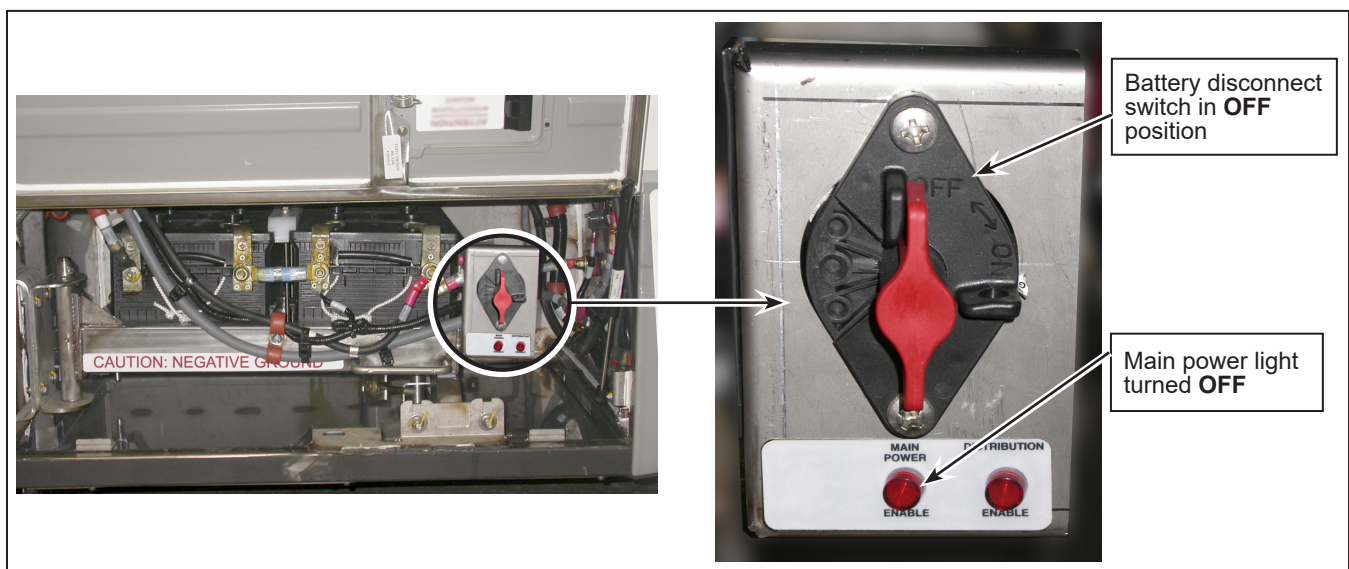


Figure 2 - View of Battery Disconnect Switch

1.5. Open the upper driver panel and locate the MCC display screen (see figures 3 & 4).

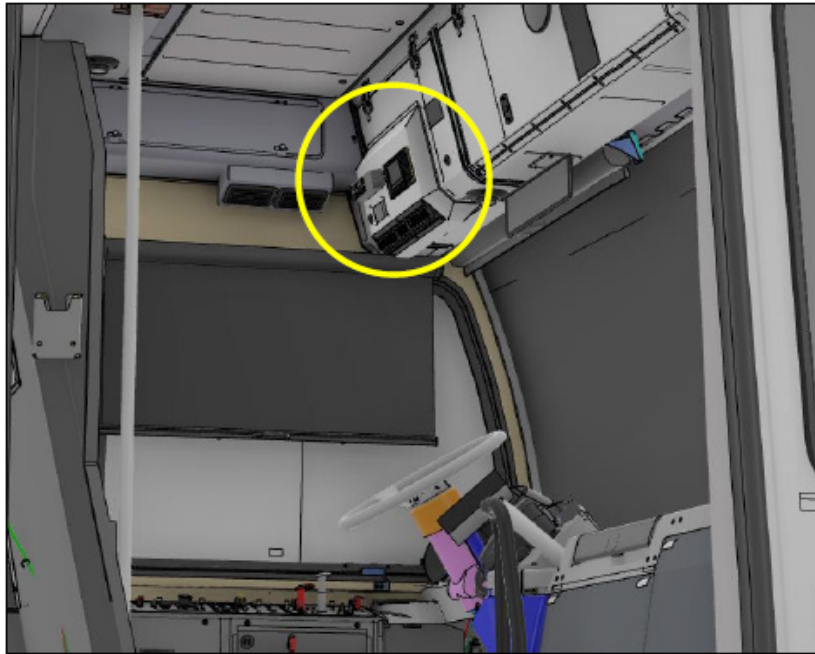


Figure 3 - MCC Screen Location

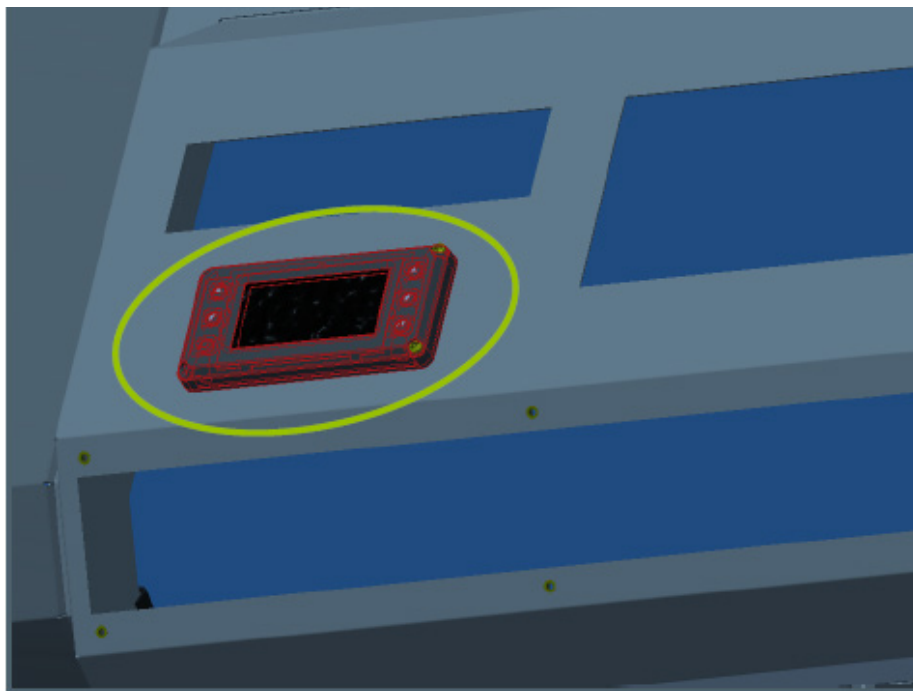


Figure 4 - MCC Screen Location.

- 1.6. Remove the old M3 screws and replace them with new M3 screws P/N N32320 (see figure 5).

**NOTE**

Do not over tighten the screws to avoid cracking the plastic retaining the screen.

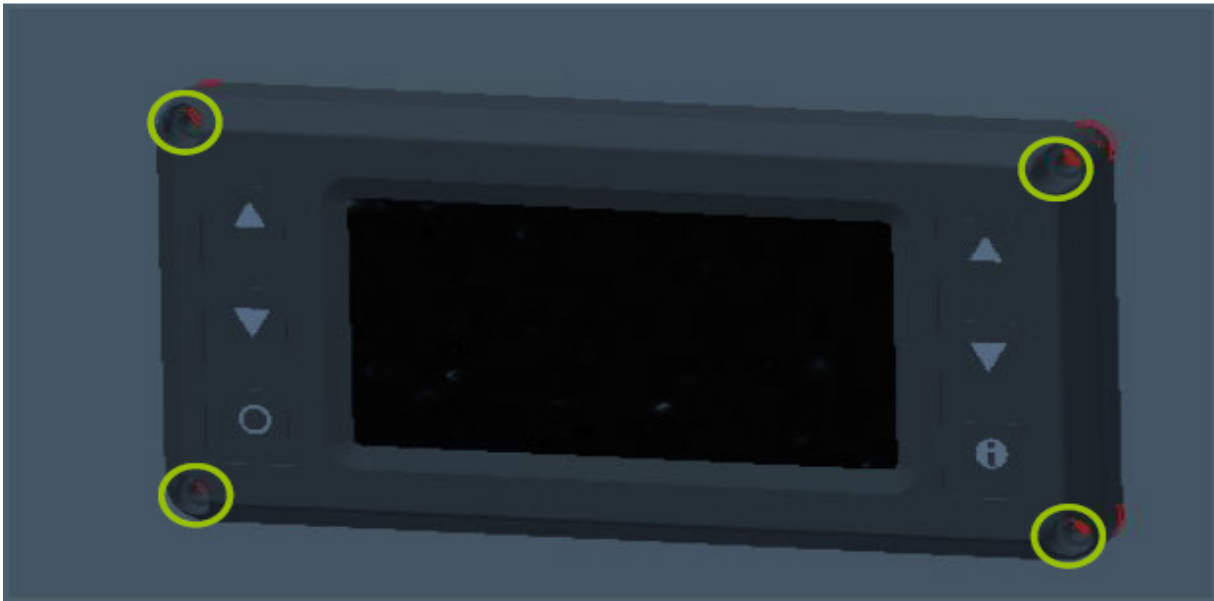


Figure 5 - MCC Screen Location.

- 1.7. Install the bracket P/N N104152 using the M3 washer P/N N80260 and the M3 Locknyl nut P/N N25917 (see figure 6).
- 1.8. Install the serrated cable tie P/N N81344 using the cable tie, secure the wires (see figure 6).

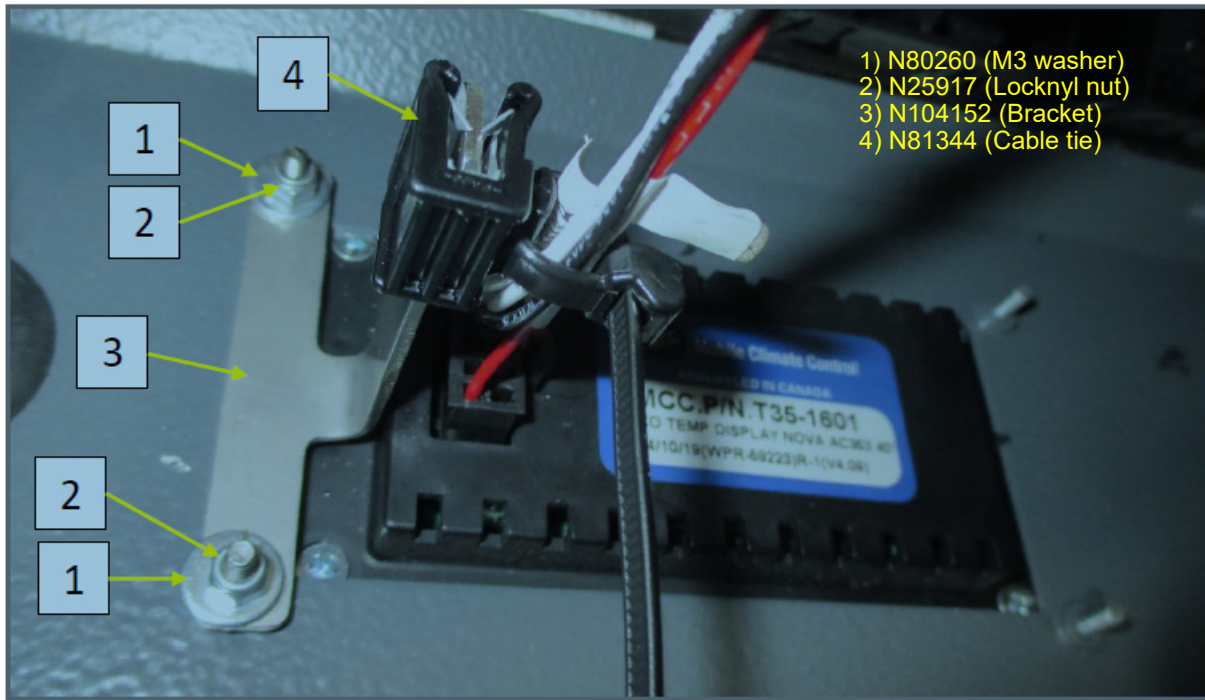


Figure 6 - Bracket Installation

- 1.9. Cut the excess cable tie and close the driver upper panel.
- 1.10. Return the bus to service.❖