

REFERENCE:	Nova Bus Manuals
SECTION:	16: Electrical System
RS N°:	MQR 7621-2740
EFFECTIVE IN PROD.:	NA

APPLICATION DEADLINES: 2025AL01
CLAIM REFERENCE NUMBER: WB5559

SUBJECT:	Power cable
JUSTIFICATION:	Power cable needs blue heat shrink to indicate live power all the time. Connect cable to the correct location.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install blue heat shrink at both ends of power cable. Connect cable at the correct location.	Nova Bus	Nova Bus	30 min
2	–	–	–	–

MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
–	–	–	–
LEVEL 1 SHOP SUPPLIES***			
4 in. (or 2x 2 in.)	N27548-07	–	HEAT SHRINK TUBING BLUE (9.5), (1 ea = 4ft)
***WHEN YOU ORDER, SPECIFY THE NUMBER OF VEHICLES TO REPAIR.			
LEVEL 2			
–	–	–	–

Materials will be available within 17 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 *	* To be reimbursed, the parts must be retained and returned in accordance with the usual warranty procedure.
	–	Yes	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2024FE15	Initial release	André Pelletier

APPROVED BY:
NQF772001 version 5

Signature
numérique de
Irina Negoescu
Date : 2024.02.19
08:51:31 -05'00'

PAGE 1 OF 4

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Chicago Transit Authority - CTA - Illinois	LF11	8550	8550	L82JXP9 [REDACTED]	L82JXP9 [REDACTED]	1
Chicago Transit Authority - CTA - Illinois	LF11	8551	8551	L82J1P9 [REDACTED]	L82J1P9 [REDACTED]	1
Chicago Transit Authority - CTA - Illinois	LF11	8560	8560	L82J7P9 [REDACTED]	L82J7P9 [REDACTED]	1
Chicago Transit Authority - CTA - Illinois	LF11	8563	8563	L82J8P9 [REDACTED]	L82J8P9 [REDACTED]	1
Chicago Transit Authority - CTA - Illinois	LF11	8565	8565	L82J1P9 [REDACTED]	L82J1P9 [REDACTED]	1

**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. The cable to be repaired has power all the time, make sure to lock the bus out.

**WARNING**

Disconnect the batteries prior to starting any work on the vehicle. See your maintenance manual section 16: *Batteries* for the procedure.

- 1.4. Above the left #1 window, locate the cable C1112 part number N94033-05 which was wrongly connected to the bus bar SL1-CB55CD1. Disconnect the cable.
- 1.5. Install approximately 2 inches of heat shrink N27548-07 (cut as required) and install it on the cable. Make sure to not cover the labels and by leaving approximately 1 inch of yellow heat shrink from the terminal lug.

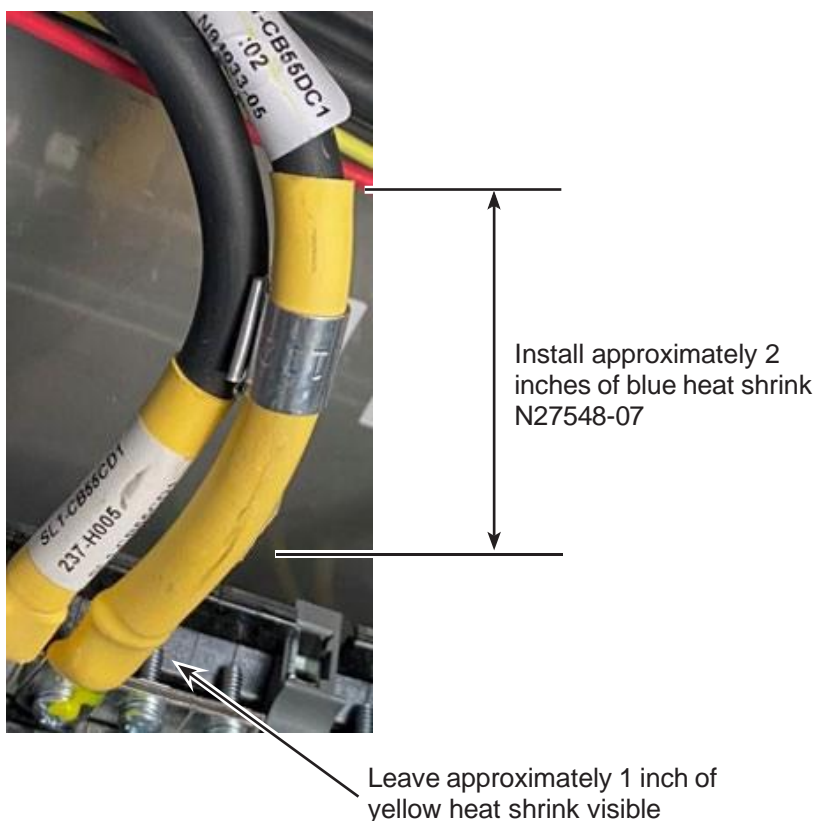


Figure 1 - Install Blue Heat Shrink

- 1.6. Connect the cable to the proper position on the bus bar to SL1-CB55DC1. Torque the screw to 8.8 lb-in (1 N·m) and apply a torque seal.

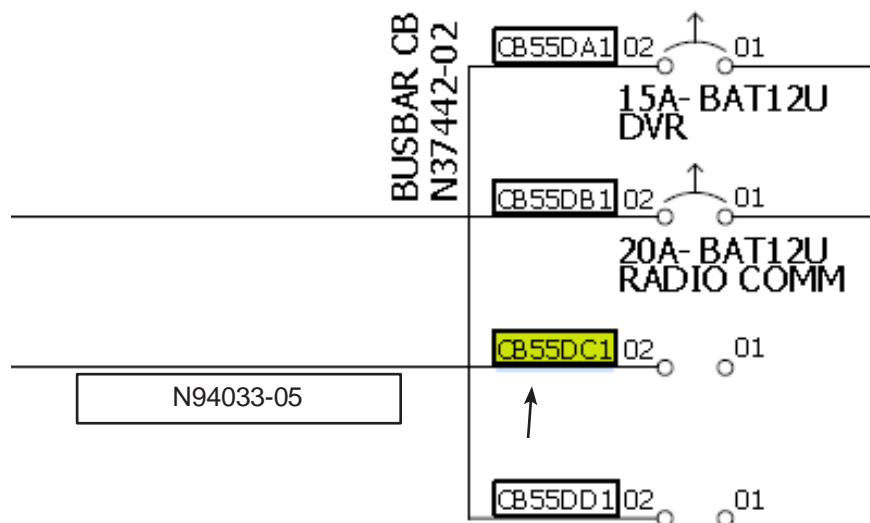


Figure 2 - Connect Cable to CB55DC1

- 1.7. Also install approximately 2 inches of heat shrink N27548-07 (cut as required) on the other end of cable N94033-05 located at RF0-MS78E3. Make sure to not cover the labels and by leaving approximately 1 inch of yellow heat shrink from the terminal lug.
- 1.8. Reconnect the cable to the same position and torque the screw to 8.8 lb-in (1 N·m). Apply a torque seal.



WARNING

Connect the batteries after the repair is completed. See your manual section 16: Batteries for the procedure.

- 1.9. The vehicle can return to service.

