REFERENCE:	Nova Bus Manuals
SECTION:	02: Doors
RS Nº:	MQR 7621-2345

APPLICATION DEADLINE: 2023JU01
CLAIM REFERENCE NUMBER: WB-5261

SUBJECT:	Doors
JUSTIFICATION:	Door code 105 is being logged on electric doors

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install the new program version	Nova Bus	Nova Bus	20min
2	–	–	–	–

MATERIAL REQUIRED PER VEHICLE

QTY	PART Nº	REV.	DESCRIPTION
LEVEL 1			
–	–	–	–
LEVEL 2			
–	–	–	–

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	
	–	–	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2022MA09	Initial release	André Pelletier

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: 2022.05.11 15:22:41 -04'00'

CLIENT	ORDER	ROAD NUMBER		VIN		QTY
		FROM	TO	FROM	TO	
New York City Transit New York - NYCT	LD08	8826	8826	4RKYL82J7M9778238	4RKYL82J7M9778238	1
New York City Transit New York - NYCT	LD08	8829	8829	4RKYL82J7M9778241	4RKYL82J7M9778241	1
New York City Transit New York - NYCT	LD08	8830	8830	4RKYL82J2M9778244	4RKYL82J2M9778244	1
New York City Transit New York - NYCT	LD08	8831	8831	4RKYL82J4M9778245	4RKYL82J4M9778245	1
New York City Transit New York - NYCT	LD08	8832	8832	4RKYL82J6M9778246	4RKYL82J6M9778246	1
New York City Transit New York - NYCT	LD08	8833	8833	4RKYL82J8M9778247	4RKYL82J8M9778247	1
New York City Transit New York - NYCT	LD08	8834	8834	4RKYL82JXM9778248	4RKYL82JXM9778248	1
New York City Transit New York - NYCT	LD08	8835	8835	4RKYL82J1M9778249	4RKYL82J1M9778249	1
New York City Transit New York - NYCT	LD08	8836	8836	4RKYL82J8M9778250	4RKYL82J8M9778250	1
New York City Transit New York - NYCT	LD08	8837	8837	4RKYL82JXM9778251	4RKYL82JXM9778251	1
New York City Transit New York - NYCT	LD08	8838	8838	4RKYL82J1M9778252	4RKYL82J1M9778252	1
New York City Transit New York - NYCT	LD08	8839	8839	4RKYL82J3M9778253	4RKYL82J3M9778253	1
New York City Transit New York - NYCT	LD08	8840	8840	4RKYL82J9M9778256	4RKYL82J9M9778256	1
New York City Transit New York - NYCT	LD08	8841	8841	4RKYL82J0M9778257	4RKYL82J0M9778257	1
New York City Transit New York - NYCT	LD08	8842	8842	4RKYL82J2M9778258	4RKYL82J2M9778258	1
New York City Transit New York - NYCT	LD08	8843	8843	4RKYL82J4M9778259	4RKYL82J4M9778259	1
New York City Transit New York - NYCT	LD08	8844	8844	4RKYL82J0M9778260	4RKYL82J0M9778260	1
New York City Transit New York - NYCT	LD08	8845	8845	4RKYL82J2M9778261	4RKYL82J2M9778261	1
New York City Transit New York - NYCT	LD08	8846	8846	4RKYL82J4M9778262	4RKYL82J4M9778262	1
New York City Transit New York - NYCT	LD08	8848	8848	4RKYL82JXN9778266	4RKYL82JXN9778266	1
New York City Transit New York - NYCT	LD08	8849	8849	4RKYL82J1N9778267	4RKYL82J1N9778267	1
New York City Transit New York - NYCT	LD08	8850	8850	4RKYL82J3N9778268	4RKYL82J3N9778268	1
New York City Transit New York - NYCT	LD08	8854	8854	4RKYL82J5N9778272	4RKYL82J5N9778272	1
New York City Transit New York - NYCT	LD08	8856	8856	4RKYL82J2N9778276	4RKYL82J2N9778276	1
New York City Transit New York - NYCT	LD08	8858	8858	4RKYL82J6N9778278	4RKYL82J6N9778278	1
New York City Transit New York - NYCT	LD08	8859	8859	4RKYL82J8N9778279	4RKYL82J8N9778279	1
New York City Transit New York - NYCT	LD08	8860	8860	4RKYL82J4N9778280	4RKYL82J4N9778280	1
New York City Transit New York - NYCT	LD08	8862	8862	4RKYL82J8N9778282	4RKYL82J8N9778282	1
New York City Transit New York - NYCT	LD08	8863	8863	4RKYL82JXN9778283	4RKYL82JXN9778283	1
New York City Transit New York - NYCT	LD08	8866	8866	4RKYL82J5N9778286	4RKYL82J5N9778286	1
New York City Transit New York - NYCT	LD08	8870	8870	4RKYL82J2N9778309	4RKYL82J2N9778309	1
New York City Transit New York - NYCT	LD08	8871	8871	4RKYL82J9N9778310	4RKYL82J9N9778310	1

WARNING

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

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. Vapor Bus team will need to reprogram the VBI vDEC module with V3.05.14 (VBI campaign).

1.4. Follow the following steps to reprogram the Nova VBEA multiplex system software with the following or more recent program version: **FB_NYC4DE_M_05 rev. D**.

1.5. Access the Volvo multiplex system “Master ID” DB9 connector located inside the driver overhead left console and connect it with a serial-to-USB cable to a laptop PC running the Volvo application software.

1.6. Refer to section 16-601.41 of the Nova Maintenance Manual for details on how to use the Volvo application software and to set up the USB Virtual COM Port (VCP) serial communication interface driver on the laptop PC.

1.7. If the USB-to-serial communication interface setup is completed and the connection is successful, the VBEA software Full Body (FB) package version and revision should be displayed in Volvo’s application main screen.

1.8. Check if the appropriate FB software package version and revision information is displayed as follows by the Volvo application software to confirm that the VBEA multiplex system software was properly updated.

1.9. Once the vDEC module has been updated to rev. 3.05.14 and the VBEA multiplex has been updated, test

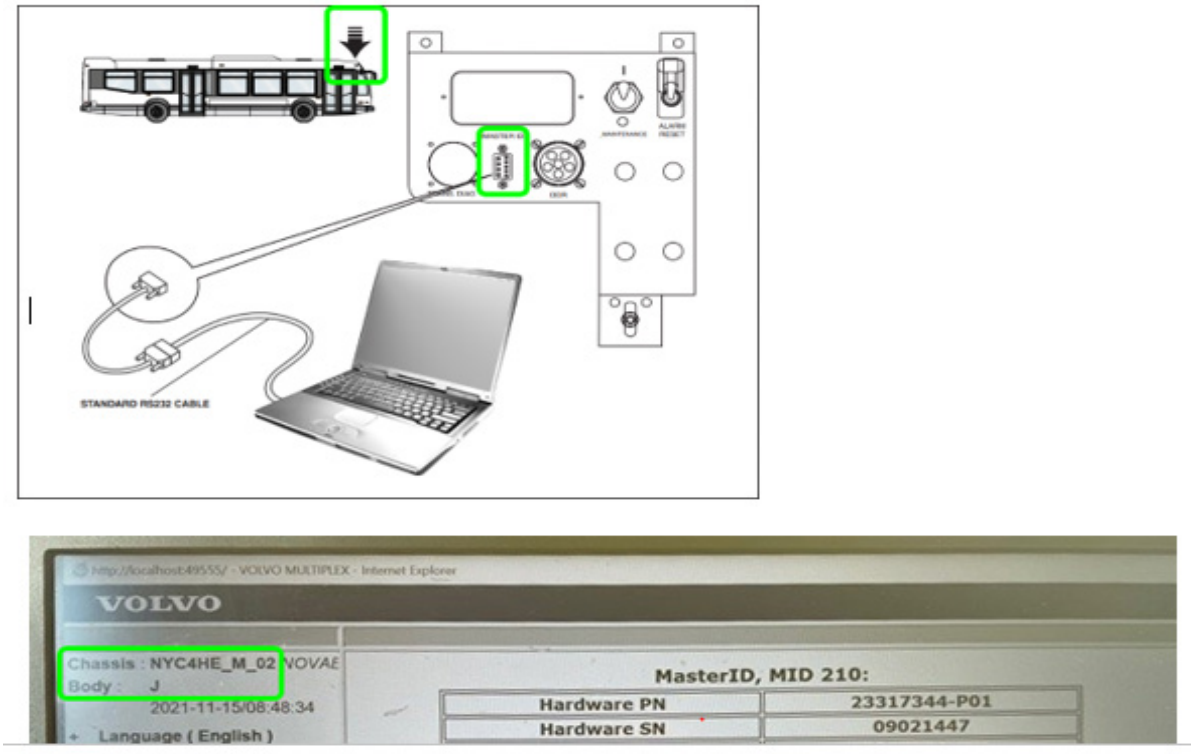

Figure 1 - Connect the Laptop, Validate the Programm Version

results are to be recorded in an Excel file specific to each tested bus to track and testify that all needed verification and validation tests were successfully passed before returning the bus in service.

❖

NOVA BUS

MP2 Program
Test Plan

Contract: LC79, LD64
Bus Number:
Generated by: F.Gagnon
Date generated: 2021-11-11
Revised by: JF Jasoi
Date revised: 2022-04-28

Executed by:
Date started:
Date completed:

Test Reference	Test ID	Type	Operations to be performed	Expected Result	PASS /FAIL	Comments
VBI Campaign	vDEC Firmware	Prerequisite	Check the vDEC firmware version.	vDEC firmware is V3.05.14		
FT5261	VBEA Software [FT5261 Campaign]	Setup	Update VBEA multiplex system software	LC 79 software is FR_NYCAHE_M_02 rev. L LD64 software is FR_NYCAHE_M_03 rev. E		
FT5261	MRDI Step 1	Setup	Open specified panels.	MRDI step 1 instructions completed		
FT5261	MRDI Step 2	Static	Start bus and build air pressure.	MRDI step 2 instructions completed and all specified test criteria satisfied		
FT5261	MRDI Step 8	Static	Place the "Rear Door Control" switch to the DRIVER or SBS position. Unlock the rear door by placing the door controller handle in the rear door open position. Verify rear door functionality with rua switch in day rua or night run position.	MRDI step 8 instructions completed and all specified test criteria satisfied		

FT5261	MRDI Step 9	Static	Place the door controller handle in the close position. Verify functionality once the rear door is fully closed and locked.	MRDI step 9 instructions completed and all specified test criteria satisfied		
FT5261	MRDI Step 10	Static	Place the "Rear Door Control" switch to the PASSENGER/Transit position. Unlock the rear door by placing the door controller handle in the rear door open position to verify functionality.	MRDI step 10 instructions completed and all specified test criteria satisfied		
FT5261	MRDI Step 11	Static	Open the rear door fully and use a magnet to activate each of the rear door panel sensor fault detection functionality.	MRDI step 11 instructions completed and all specified test criteria satisfied		
FT5261	MRDI Step 12	Static	Turn the "Door Master" switch OFF to verify rear door functionality.	MRDI step 12 instructions completed and all specified test criteria satisfied		
FT5261	MRDI Step 14	Static	Check the CLASS system functionality.	MRDI step 14 instructions completed and all applicable test criteria satisfied		
FT5261	MRDI Step 20	Static	While closing the rear doors, an assistance standing outside the rear doors, press on either side of the door panel sensitive edge to verify if doors reopen.	MRDI step 20 instructions completed and specified test criteria satisfied		
FT5261	MRDI Step 26	Setup	Restore and secure all opened panels.	MRDI step 26 instructions completed		