NOVA BUS

INFORMATION LETTER LI3191E

REFERENCE:	Nova Bus Manuals
SECTION:	16: V-BEA (Volvo bus electronic architecture)
RS Nº:	MQR 7621-674
EFFECTIVE IN PROD.:	L840 (2014SE)

APPLICATION DEADLINE:NA

SUBJECT:	Replacment of V-BEA IO/A or IO/B module
JUSTIFICATION:	A new procedure is available to reprogram a new IO/A or IO/B without a laptop

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	If required, performed the procedure to reprogram a new IO/A or IO/B without a laptop	Client	Client	–
2	–	–	–	–

MATERIAL

QTY	PART Nº	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
–		–	–	–
LEVEL 2				
–	–	–	–	–

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	
	–	–	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2014JN12	Initial release	Luc Carignan

APPROVED BY: Daniel Theriault

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DN: cn=Daniel Theriault, o=Nova Bus, ou=Publication, email=daniel.theriault@volvo.com, c=CA
Date: 2014.07.02 16:31:50 -04'00'

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - New York	L536	1200	1201	S92U793000490	S92U993000491	2
New York City Transit - New York	L545	1202	1289	S92U5A4000001	S92U0A4000098	88
New York City Transit - New York	L608	8000	8014	L82U6B4000047	L82U0B4000061	15
New York City Transit - New York	L620	8015	8074	L82U2B4000062	L82U7B4000123	60
New York City Transit - New York	L621	8075	8089	L82U9B4000124	L82U9B4000138	15
New York City Transit - New York	L643	5895	5895	S92U1B4000143	S92U1B4000143	1
New York City Transit - New York	L670	5770	5894	S92U4C4500024	S92U3B4000242	125
New York City Transit - New York	L681	5896	5283	S92U2C4500023	S92U9C4500195	122
New York City Transit - New York	L692	5284	5363	S92U3C4500158	S92U3D4500274	80

WARNING

Follow your internal safety procedures.

PROCEDURE

1.1. Open the rear battery access door and set the cut-off switch to **OFF.**

1.2. Place the **MASTER CONTROL SWITCH** in the **OFF** position.

1.3. Replace the defective IO module except module 42. See Note for module 42 replacement procedure.

NOTE

Since it contains the code to validate the programming, Module 42 cannot be reprogrammed using the following procedure. If module 42 needs to be replaced, program the V-BEA system in accordance with the REPROGRAMMING THE V-BEA heading in section 16: V-BEA (VOLVO BUS ELECTRONIC ARCHITECTURE) in the Nova LFS Maintenance manual. The replacement of a defective module 42 should be done prior to the replacement of any other IO defective module.

1.4. Set the battery cut-off switch to **ON.**

NOTE

The 2 following steps shall be performed within 3 seconds.

1.5. Set the **HAZARD FLASHER** switch to **ON**.

1.6. Simultaneously activate the **EMERGENCY BRAKE INTERLOCK OVERRIDE** and **WHEELCHAIR RAMP** (out position) switches. See Figure 1.

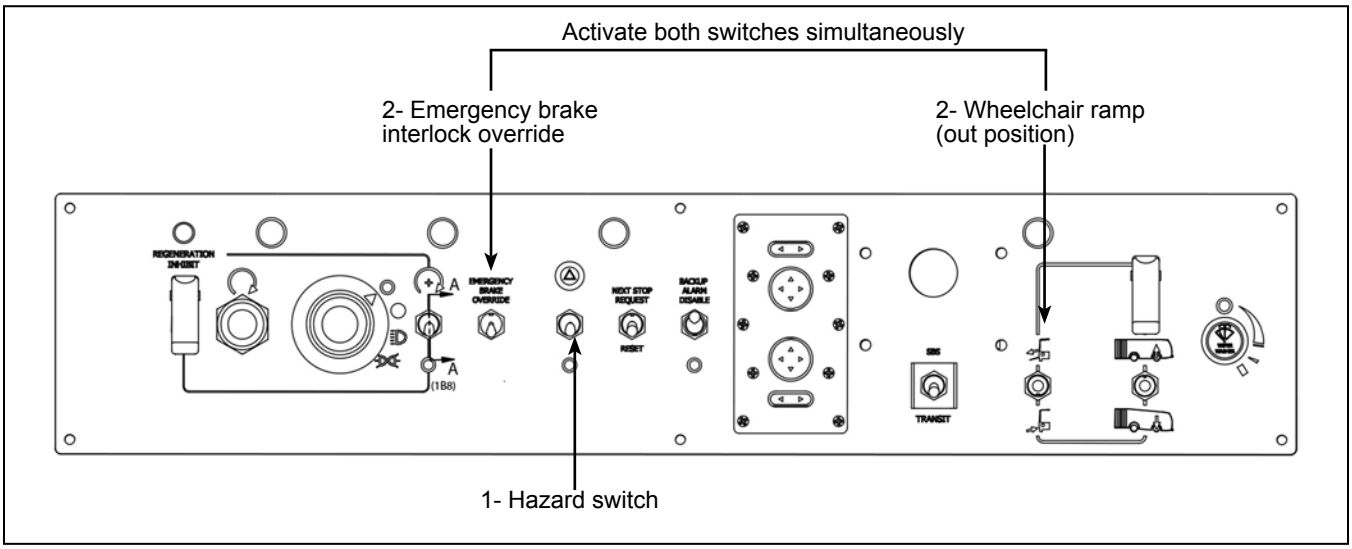

Figure 1 - Switches to Activate New IO Module Reprograming

1.7. Wait 5 minutes and place the **MASTER CONTROL SWITCH** in the **ON** position.

1.8. Check that the **NETWORK FAIL** tell-tale is not lit up to ensure IO modules are reprogrammed. If the tell-tale is not lit up, the newly installed IO module is reprogrammed. See Figure 2.

1.9. If the **NETWORK FAIL** tell tale is lit up, validate whether the new IO module is faulty in the Actia speedometer display. If the newly installed module is not reprogrammed, a fault corresponding to the module number will be displayed in the Actia speedometer display. Redo the entire procedure except step 1.3 if the newly installed IO module is coded. See Figure 2.❖

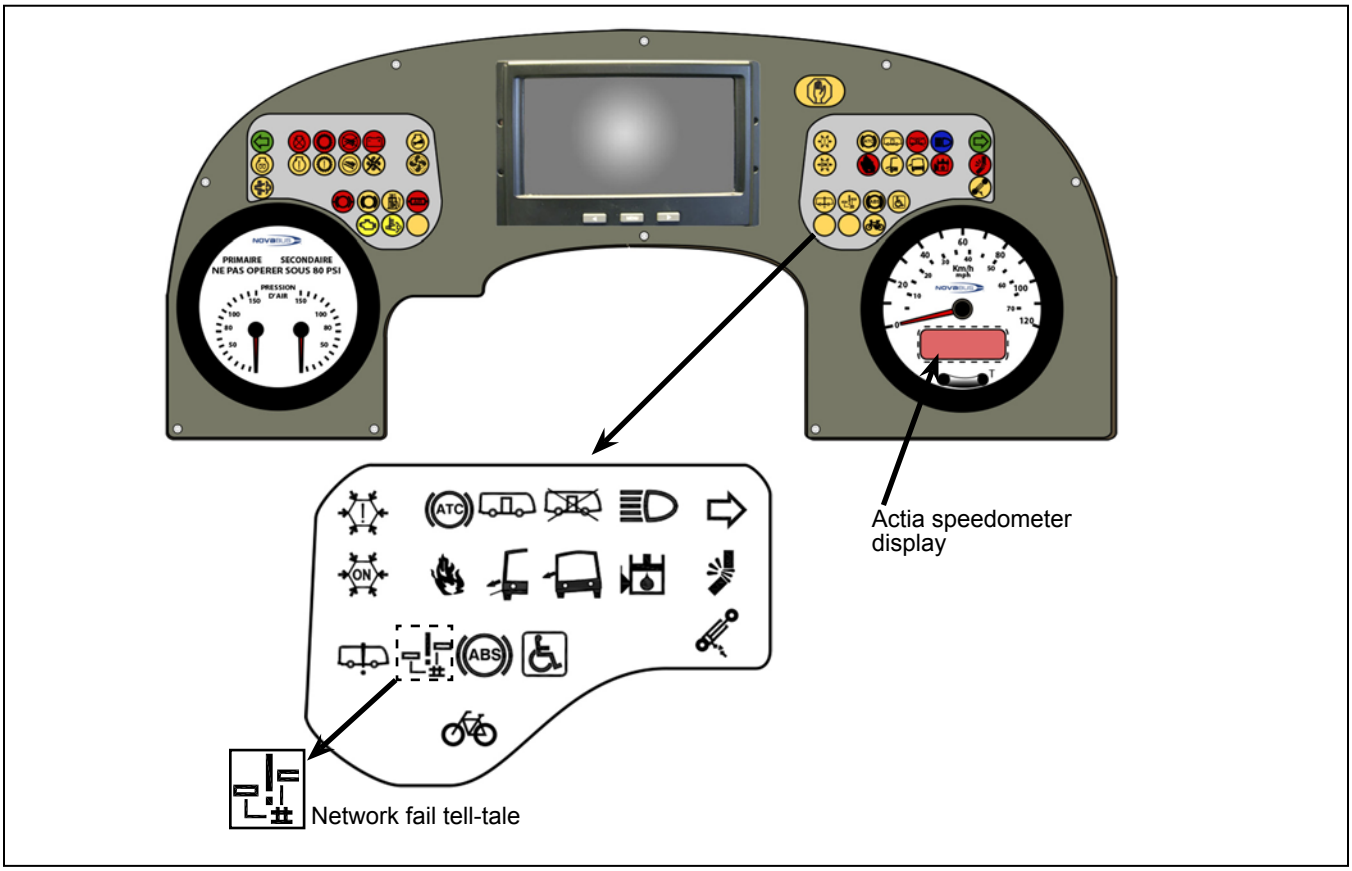

Figure 2 - Network Tell-Tale and Actia Speedometer Display to Validate IO Module Reprogramming