

REFERENCE:	Nova Bus Manuals
SECTION:	16; 24V electrical system
RS N°:	MQR 7621-227
EFFECTIVE IN PROD.:	L529 (2010MR)

APPLICATION DEADLINE: 2015JA05

SUBJECT:	Expello valve			
JUSTIFICATION:	Expello valve failure may cause outage of ramp electrical 24V circuit			
LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Modify the expello valve electrical circuit	Nova Bus	Nova Bus	30 min
2	–	–	–	–

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	N8900886	–	Wire kit	–
1	N11690-10	–	10A circuit breaker	–
1	N25442-560	–	Label "IB-RL99AA1"	–
1	N11542	–	Terminal block	–
1	N25442-549	–	Label "IB-TB99AAS1"	–
1	6992602	–	Socket relay	–
1	N72785	–	Support	–
2	N11092	–	M4 washer	–
1	N16455	–	M4 locknut	–
1	N34356	–	M4 screw	–
1	N11613	–	24V relay	–
LEVEL 2				
–	–	–	–	–

Materials will be available within 60 days. 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.

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	2013NO05	Initial release	Luc Carignan

APPROVED BY:

Daniel Theriault

Digitally signed by Daniel Theriault
 DN: cn=Daniel Theriault, o=Nova Bus,
 ou=Publication,
 email=daniel.theriault@volvo.com, c=CA
 Date: 2013.11.15 15:02:48 -05'00'

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
University of Colorado - Colorado	L427	—	—	S92U693000027	S92U693000027	1
University of Colorado - Colorado	L428	—	—	S92U893000028	S92U893000028	1
Demo - Articulated Bus	L433	—	—	S92UX93000029	S92UX93000029	1

**WARNING**

Follow your internal safety procedures.

PROCEDURE

- 1.1. Open the rear battery access door and turn the battery disconnect switch to the **OFF** position.
- 1.2. Open the rear I.B. box access door.
- 1.3. Assemble the socket relay 6992602 on support N72875 using screw N34356, washer N11092 and locknut N16455. See Figure 1.
- 1.4. Connect wire **99-372/RED**, **99-373/BLK**, **99-374/RED** and **99-375/RED** in the socket relay 6992602. See Figure 1 for wire position.

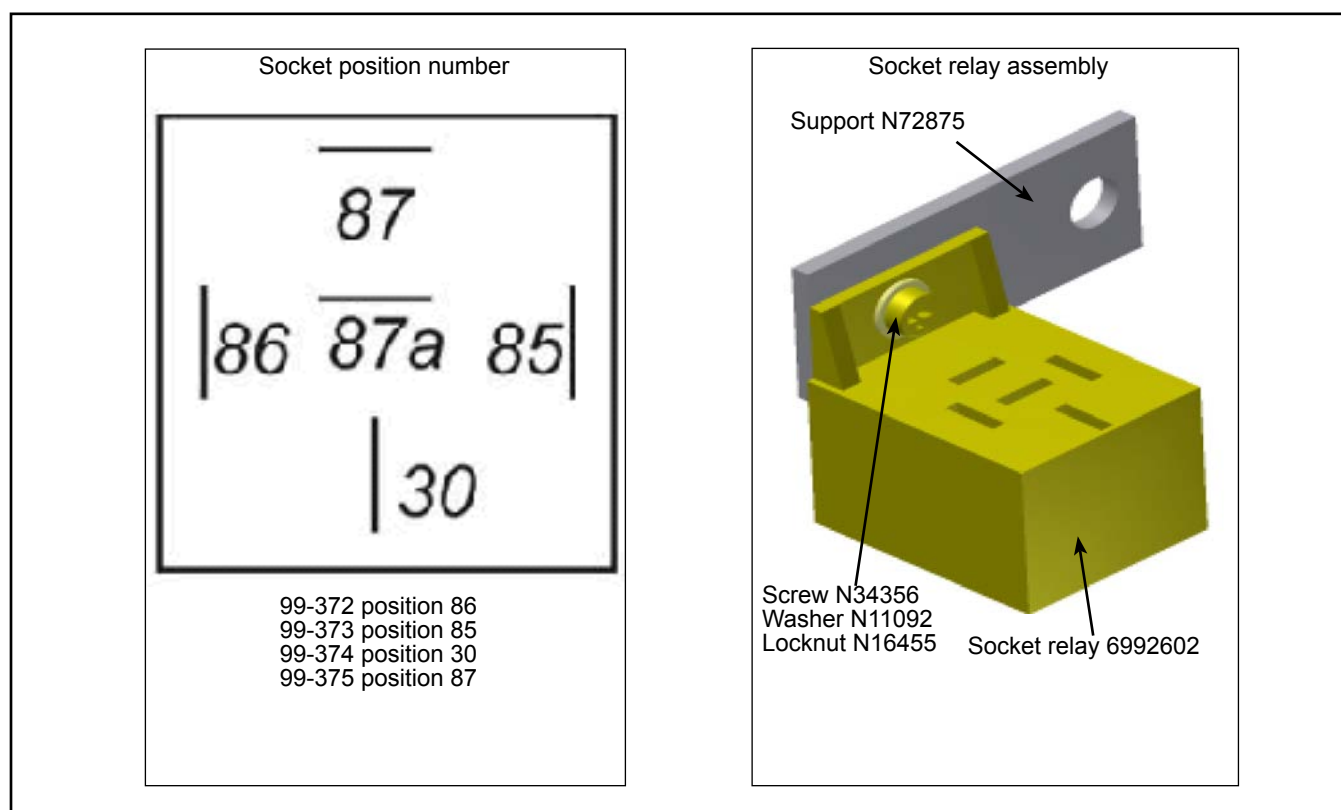


Figure 1 - Socket Relay Wire Position and Parts Description

- 1.5. Fix support of socket relay assembly to the I.B. box panel using the terminal block retaining screw. See Figure 2.
- 1.6. Install circuit breaker N11690-10 in position L of the breaker receptacle track. See Figure 2.
- 1.7. Install terminal block N11542 in position S of the terminal block track. See Figure 2.
- 1.8. Install relay N11613 on the socket relay previously installed. See Figure 2.
- 1.9. Install sticker N25442-560 (IB-TB99AS1) on top of original sticker IB-TB99AR1. See Figure 2.
- 1.10. Install sticker N25442-549 (IB-RL99AA1) on the I.B. box panel above the new relay. See Figure 2.

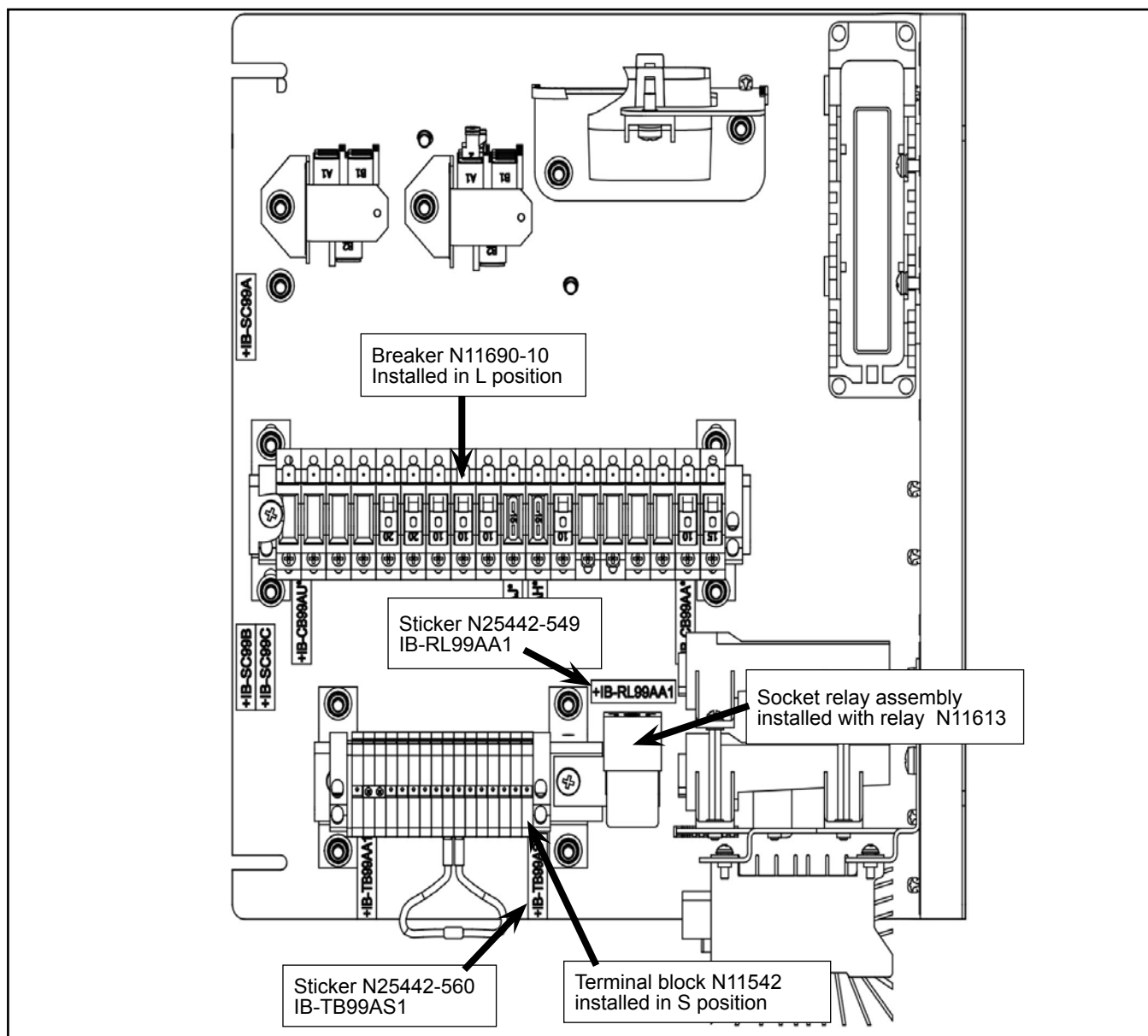


Figure 2 - I.B.Box Panel After Modification

- 1.11. Route and connect all the wires, previously connected to the socket relay, as identified in Figure 3.
- 1.12. Disconnect connector **IB-X6199A** located in the lower section of the I.B. box compartment.
- 1.13. Disconnect wire **99-232/RED** from position 13 in connector **IB-X6199A**. Cut terminal and install shrink tubing to tapeback the wire.
- 1.14. Connect wire **99-511/RED** in position 13 of connector **IB-X6199A** and reconnect connector **IB-X6199A**. See Figure 3.
- 1.15. Route wire **99-511/RED** to terminal block **IB-TB99AS1** and connect the wire. See Figure 3.
- 1.16. Close the rear I.B. box access door.
- 1.17. Turn the battery disconnect switch to the **ON** position and close the rear battery access door. ❖

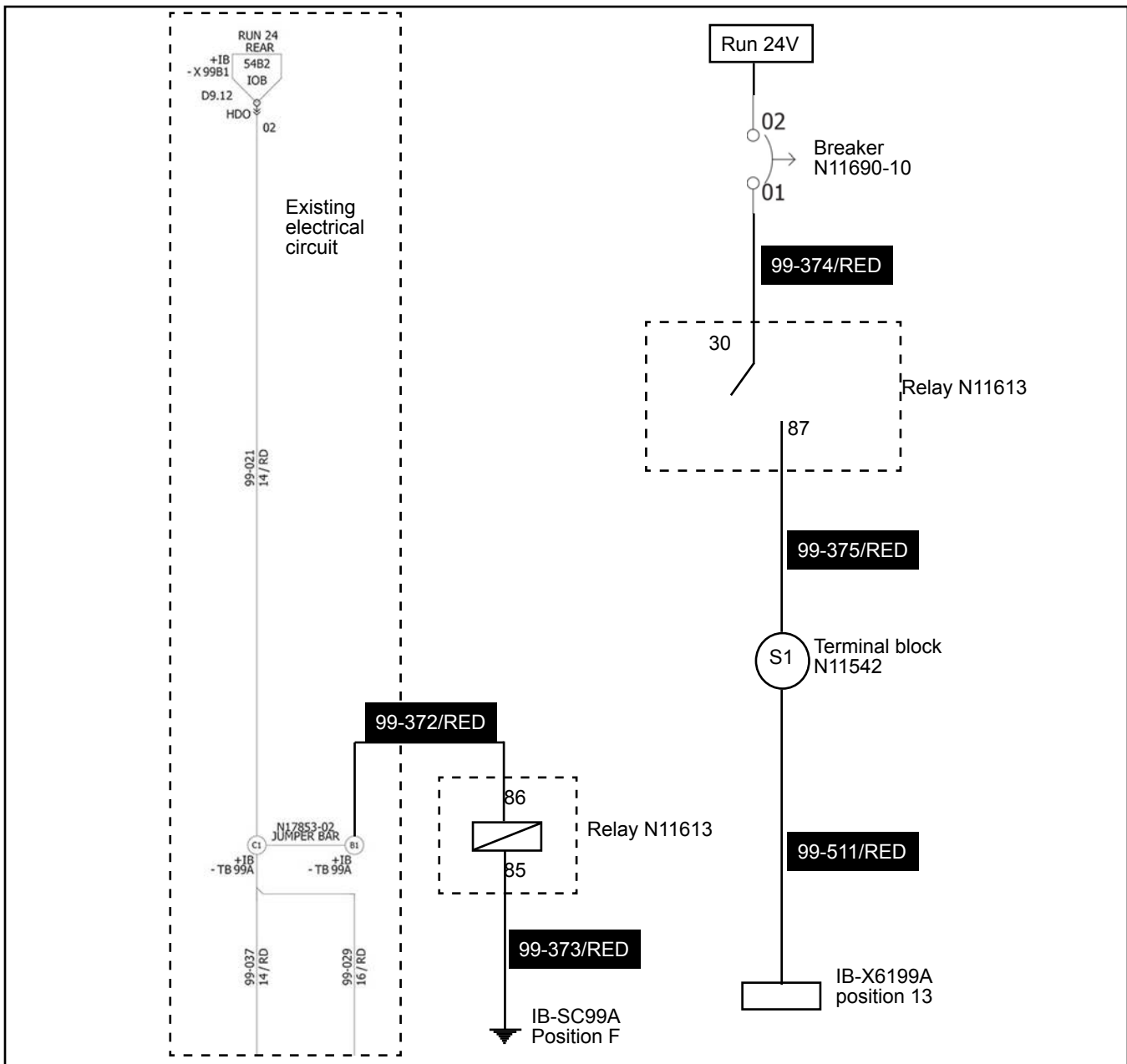


Figure 3 - Wire Positions in Expello Valve - New Electrical Circuit