

REFERENCE:	Nova Bus Manuals
SECTION:	09 Alternator and voltage regulator
RS N°:	MQR 7621-589
EFFECTIVE IN PROD.:	–

APPLICATION DEADLINE:

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SUBJECT:	Alternator relay and field wires
JUSTIFICATION:	Alternator relay wire may break

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install and route a new electrical harness	Client	Client	30 min
2	–	–	–	–

**MATERIAL**

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>				
1	N632000003		Electrical kit	
1	12124581		Terminal	
1	12124580		Terminal	
1	12010293		Rubber seal plug	
1	12089679		Rubber seal plug	
1	12015792		Connector	
8	N37749		Tie wraps	
<b>LEVEL 2</b>				
–	–	–	–	–

Materials will be available within 42 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](mailto: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	2013JN21	Initial release	Wilder Galiano
R1	2013JL10	details added for the installation of the N63000003 electrical kit	Wilder Galiano

APPROVED BY:

PAGE 1 OF 8

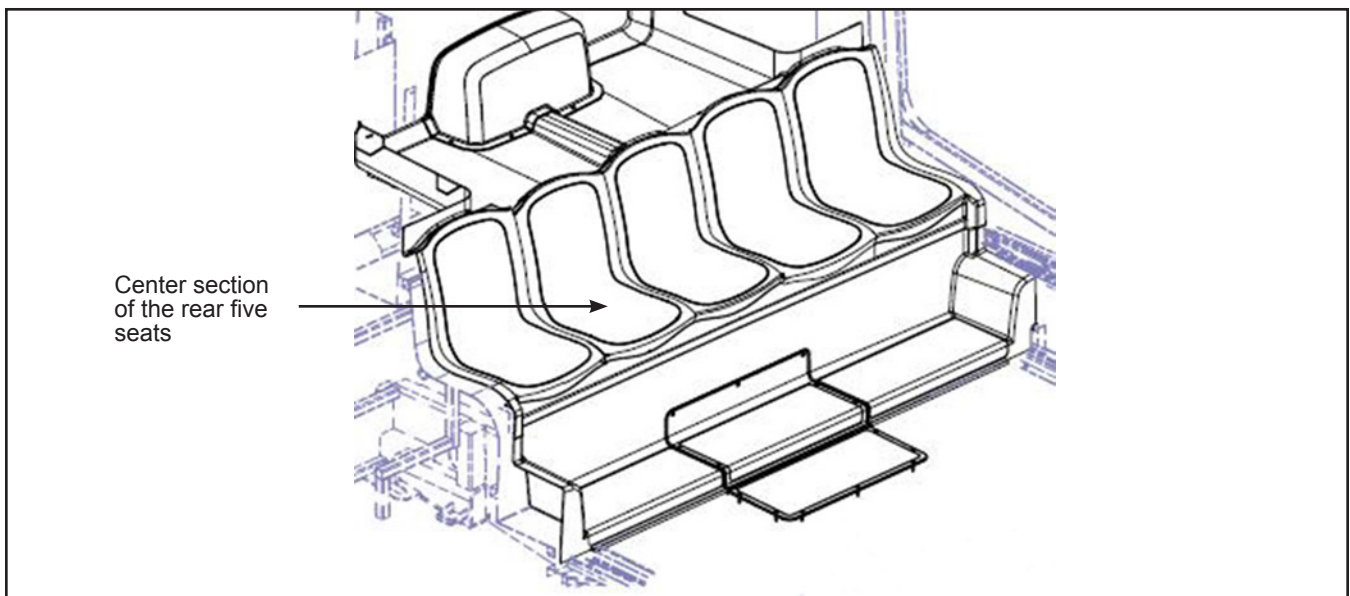
CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - New York	L536	1200	1201	S92U793000490	S92U993000491	2
New York City Transit - New York	L545	1202	1289	S92U5A4000001	S92U0A4000098	88
New York City Transit - New York	L608	8000	8014	L82U6B4000047	L82U0B4000061	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	5771	5770	S92U9B4000147	S92UXC4500061	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 procedure.

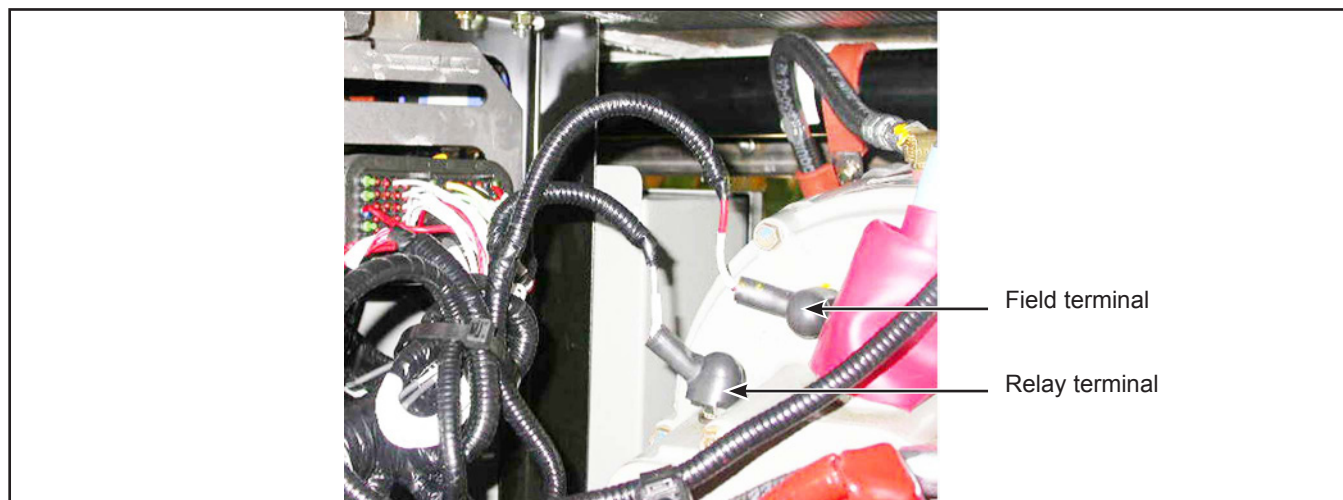
## PROCEDURE

- 1.1. Turn the **BATTERY DISCONNECT SWITCH** to the **OFF** position.
- 1.2. Open the center section of the rear five seats located inside the vehicle, at the rear. Remove the engine access panel.



*Figure 1 - Rear Five Seats*

- 1.3. Locate and remove the two wires connected to the alternator. See Figure 1.
- 1.4. Remove and retain the electrical harness protective loom of the two wires.



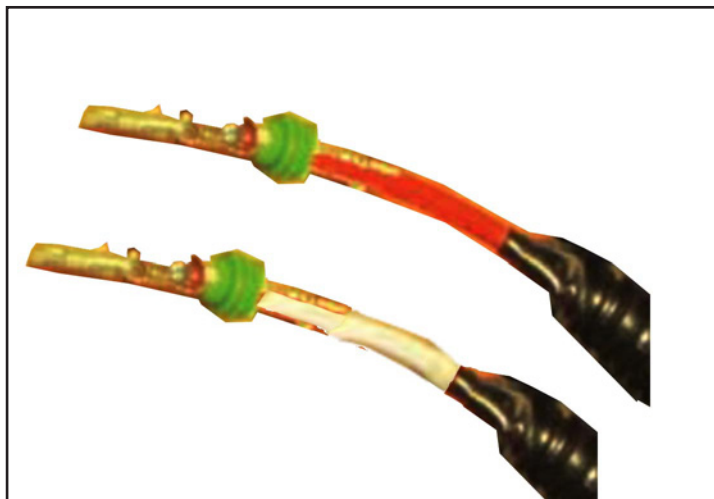
*Figure 2 - Alternator Terminal Location*

- 1.5. Cut the wires close to the terminals. See Figure 3.
- 1.6. Bare the wires. See Figure 3.



*Figure 3 - Cut and Bare the Wires*

- 1.7. Install the 12010293 rubber seal plug and 12124581 terminal on the read wire. See Figure 4.
- 1.8. Install the 12089679 rubber seal plug and 12124580 terminal on the white wire. See Figure 4.



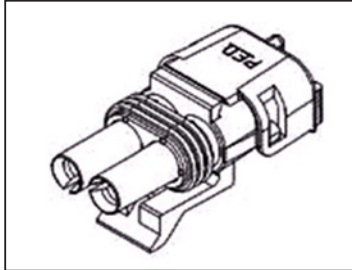
*Figure 4 - Terminal and Rubber Seal Plugs*

- 1.9. Crimp the assemblies. See Figure 5.



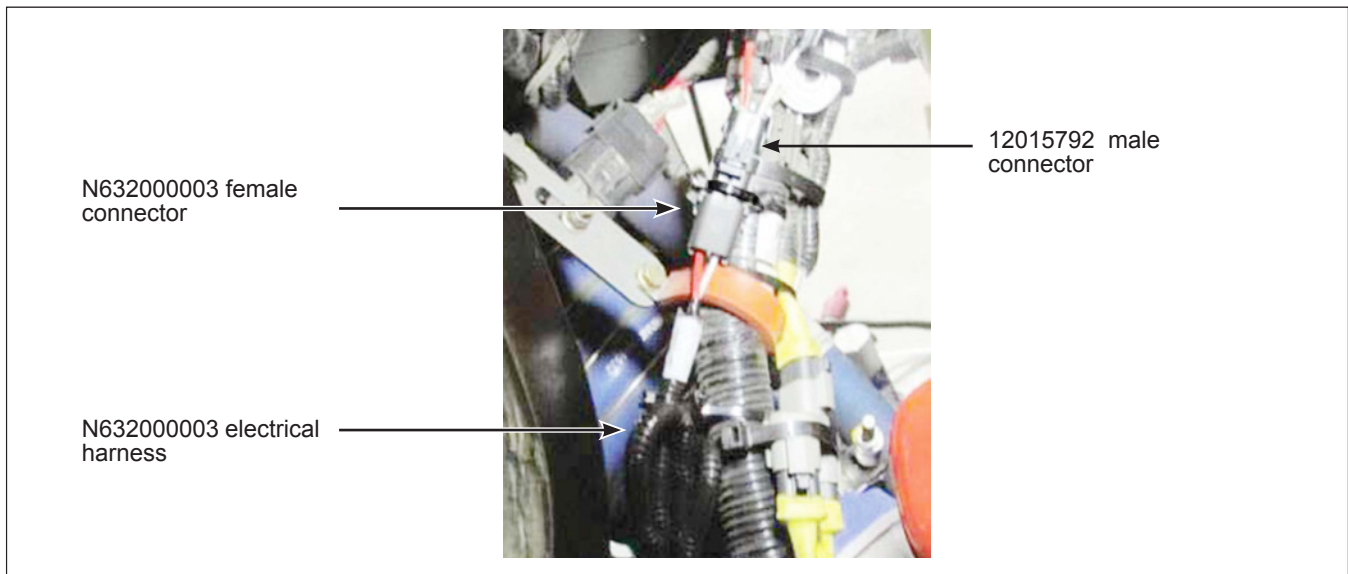
*Figure 5 - Crimp the Assemblies*

- 1.10. Install the white wire into the 12015792 male connector, at location B. See Figure 6.  
1.11. Install the red wire into the 12015792 male connector, at location A. See Figure 6.



*Figure 6 - Wire installation into the 12015792 Connector*

- 1.12. Install the N63200003 electrical harness  
1.12.1. Connect the previously installed male connector into the female connector of this harness . See Figure 7.



*Figure 7 - Wire installation into the 12015792 Connector*

- 1.12.2. Install the red wire eyelet at the other extremity of this harness to the alternator field terminal. See Figure 8.
- 1.12.3. Install the white wire eyelet of this harness to the alternator relay terminal. See Figure 8.

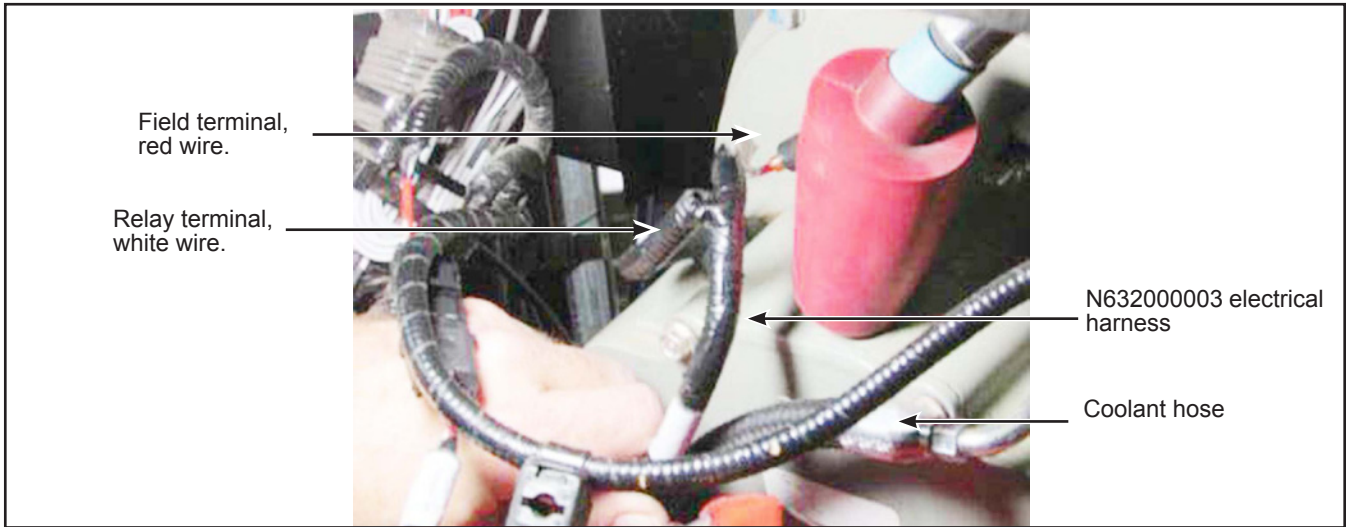


Figure 8 - Affix the New Electrical Harness to the Coolant Hoses

- 1.13. Affix the new electrical harness to the alternator coolant hose with a tie wrap. See Figure 9. Reinstall the retained loom.

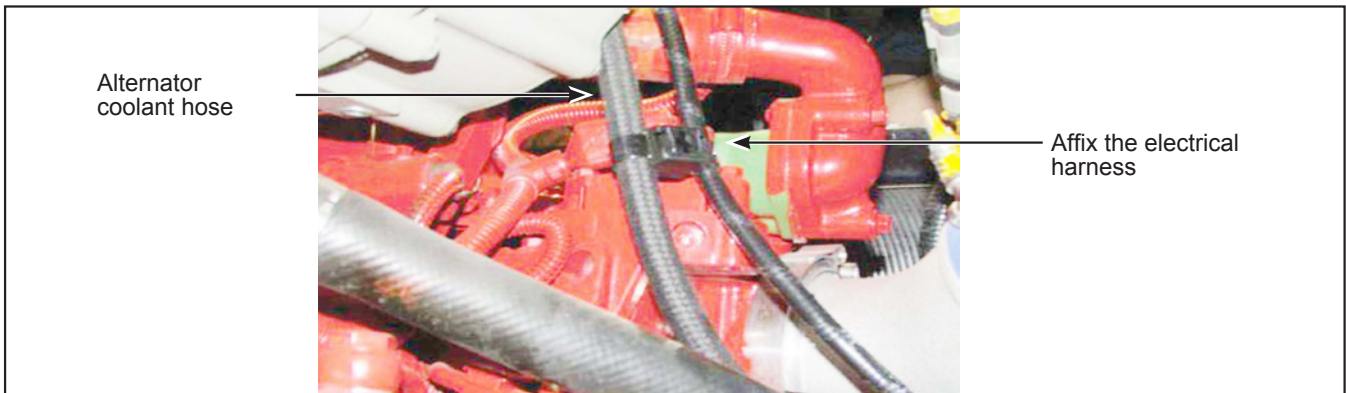
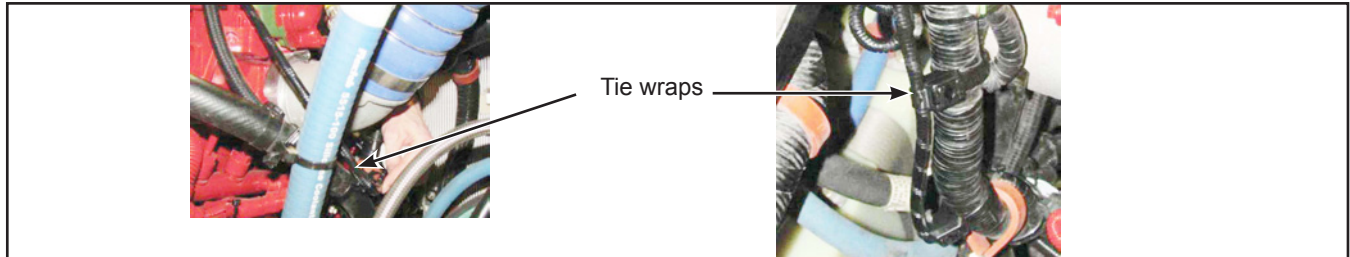


Figure 9 - Tie Wraps Affixing Location

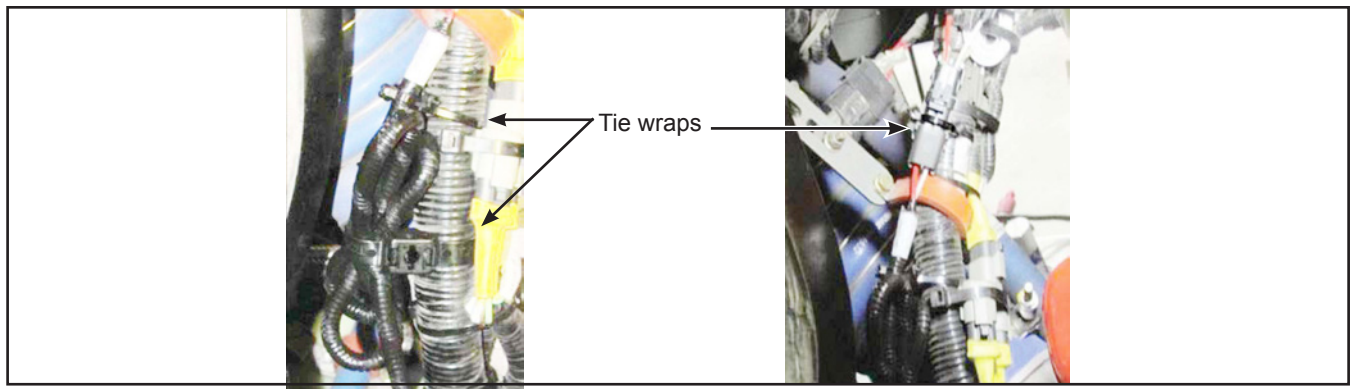
1.14. Affix the new electrical harness to the main electrical harness with tie wraps. See Figure 10.



*Figure 10 - Tie Wraps Affixing Location*

1.15. Affix the excess length of the electrical harness to the main electrical harness as shown in Figure 11.

1.16. Affix the female portion of the connector to the main electrical harness with a tie wrap. See Figure 11.



*Figure 11 - Affixing the New Electrical Harness*

1.17. Install and secure the engine access panel and the center section of the rear five seats. ❖