

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°
LEVEL 1				
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	
LEVEL 2				
—	—	—	—	—

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. 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

APPROVED BY:

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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.

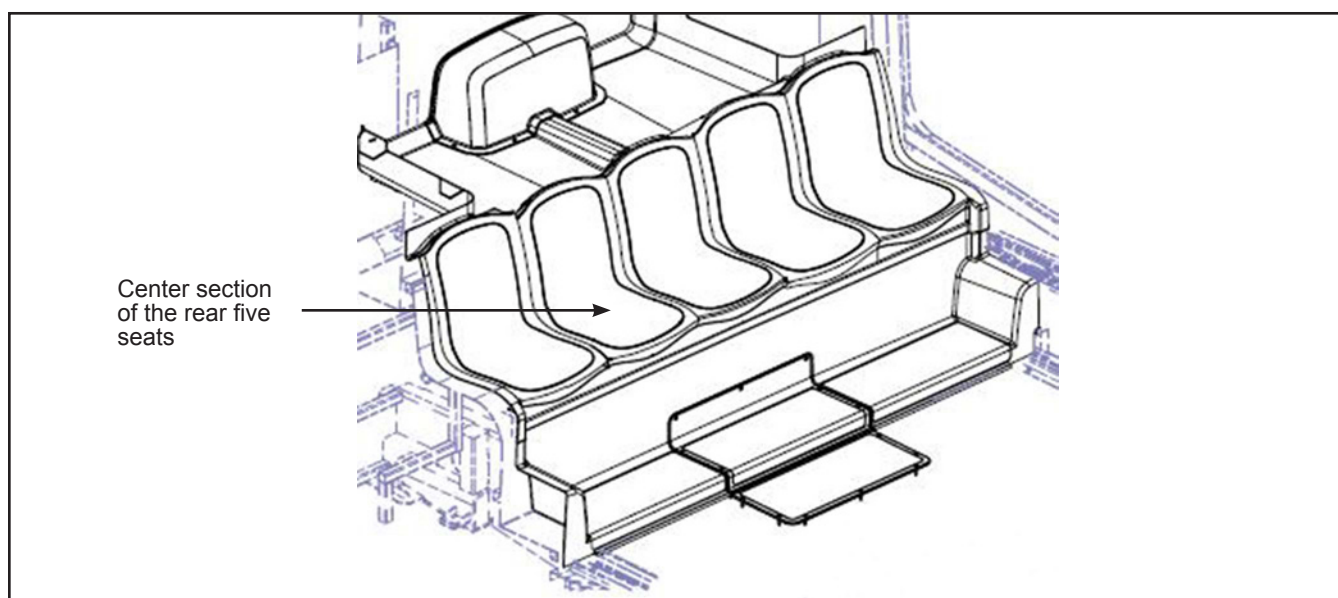


Figure 1 - Rear Five Seats

- 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.

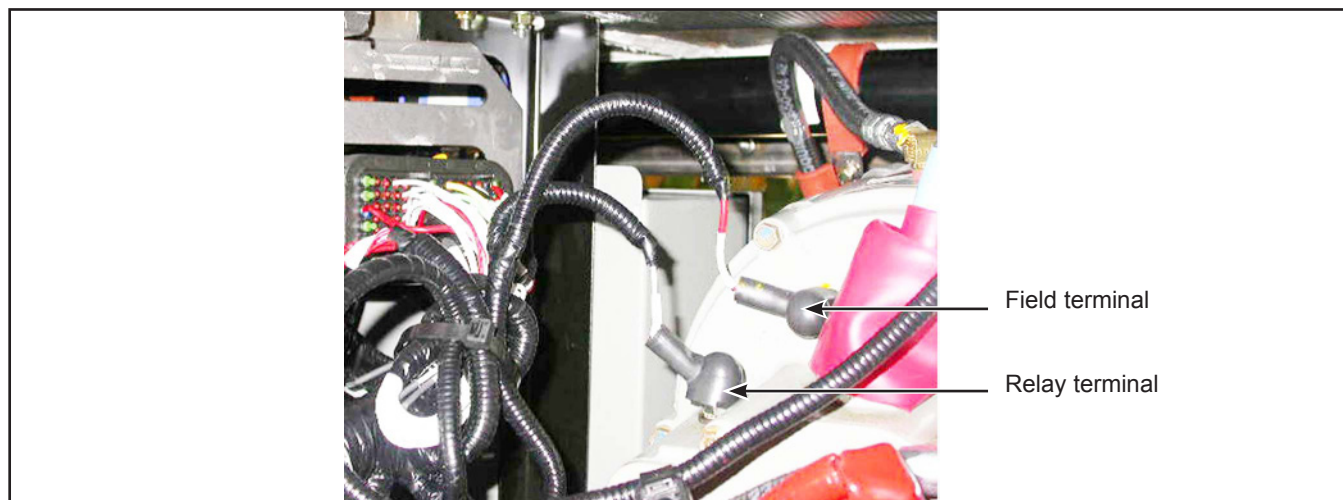


Figure 2 - Alternator Terminal Location

- 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.

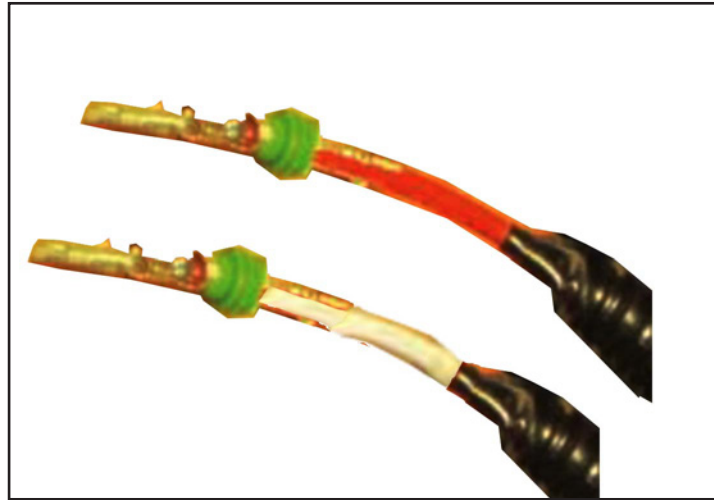


Figure 4 - Terminal and Rubber Seal Plugs

- 1.9. Crimp the assemblies. See Figure 5.

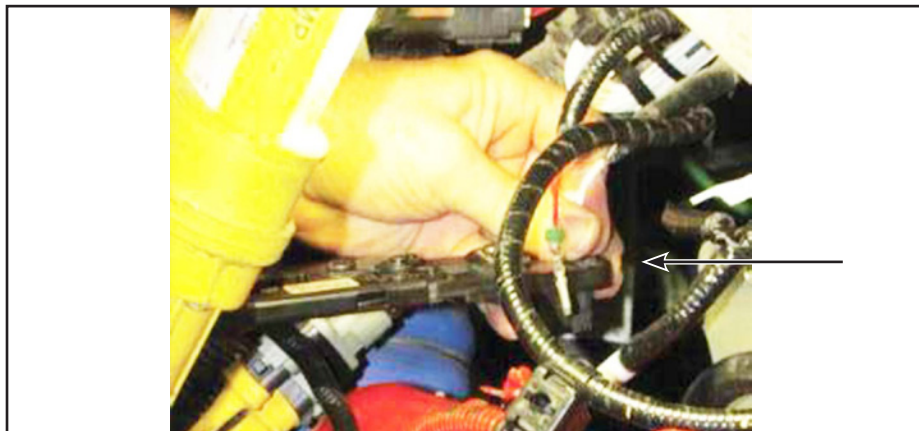


Figure 5 - Crimp the Assemblies

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

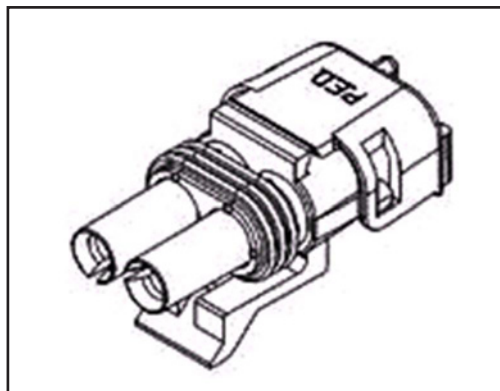


Figure 6 - Wire installation into the 12015792 Connector

- 1.12. Install the red wire to the alternator field terminal. See Figure 6.
- 1.13. Install the white wire to the alternator relay terminal.

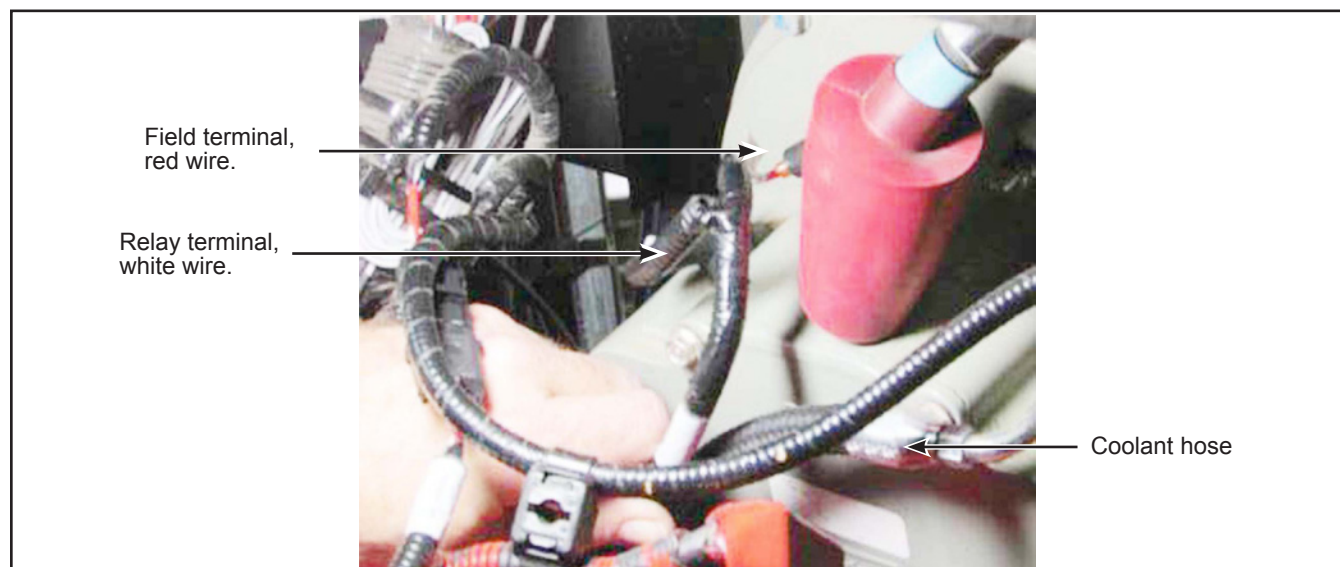


Figure 7 - Affix the New Electrical Harness to the Coolant Hoses

- 1.14. Connect the two portions of the connector.
- 1.15. Affix the new electrical harness to the alternator coolant hose with a tie wrap. See Figure 8. Reinstall the retained loom.

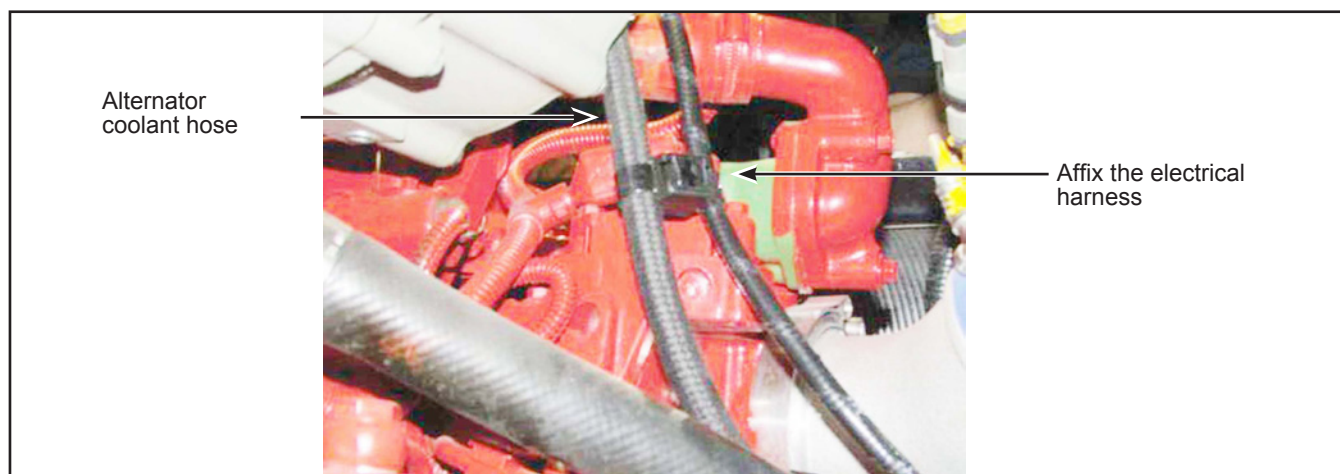


Figure 8 - Tie Wraps Affixing Location

- 1.16. Affix the new electrical harness to the main electrical harness with tie wraps. See Figure 9.

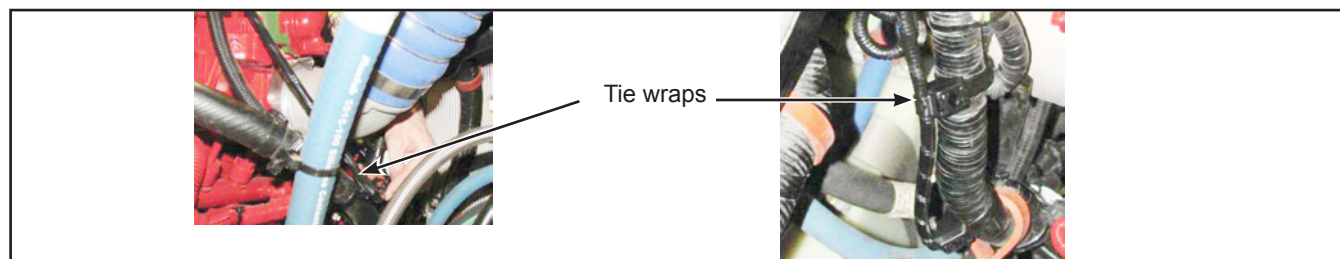


Figure 9 - Tie Wraps Affixing Location

- 1.17. Affix the excess length of the electrical harness to the main electrical harness as shown in Figure 9.
- 1.18. Affix the female portion of the connector to the main electrical harness with a tie wrap. See Figure 9.

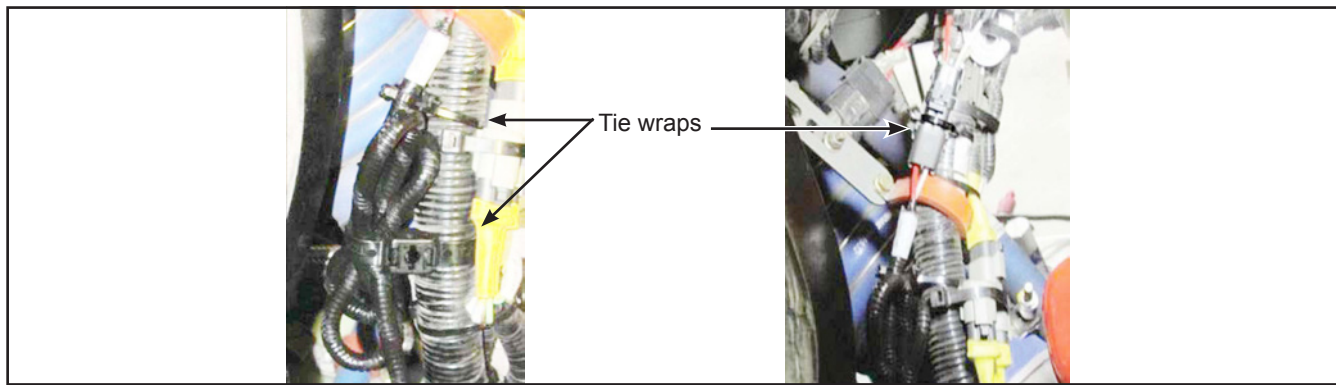


Figure 10 - Affixing the New Electrical Harness

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