

<b>REFERENCE:</b>	Nova Bus Manuals
<b>SECTION:</b>	14: Heating and ventilation
<b>RS N°:</b>	MQR 7621-1828
<b>EFFECTIVE IN PROD.:</b>	N/A

**APPLICATION DEADLINE:** 2022NO15  
**CLAIM REFERENCE NUMBER:** WB-4773

<b>SUBJECT:</b>	Heater box
<b>JUSTIFICATION:</b>	Voltage variation can cause heaters failure.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replace the heater box harness for a new harness with protection.	Nova Bus	Nova Bus	1h20
2	–	–	–	–

**MATERIAL**

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>				
2	N8910855	–	Birdie Harness Retrofit Kit	–
16	G5007995	–	Cable Tie (504637)	–
8	G5007994	–	Cable Tie	–
4	N44620-01	–	Bolt Special "T"	–
4	N37109	C	Nut FL Serrated 3/8-24 ZC	–
<b>LEVEL 2</b>				
–	–	–	–	–

Materials will be available within 120 days once your order has been placed. 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**

<b>REMOVED PARTS ARE:</b>	<b>DISCARDED</b> *	<b>RETAINED</b>	* 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	2020MA16	Initial release	Annie St-Jacques
R1	2021MA07	Clients added in Client list	Annie St-Jacques

**APPROVED BY:**

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Symbol	Meaning
Empty Field	No changes, the procedure applies
+	Contract added, the procedure applies
-	Contract removed, the procedure does not apply

SYMBOL	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
	Halifax Nova Scotia	LA11	1208	1236	L82J1G9775579	L82J4G9775608	29
	Halifax Nova Scotia	LA14	1237	1237	L82J1G9775596	L82J1G9775596	1
	Halifax Nova Scotia	LA27	1238	1276	L82J5H9775778	L82J9H9775816	39
	Halifax Nova Scotia	LB61	1277	1284	S92J6H9776380	S92J6H9776387	8
	Halifax Nova Scotia	LB70	1285	1299	L82J4J9776829	L82J9J9776843	15
	Halifax Nova Scotia	LC11	1300	1334	L82JXK9777310	L82J5K9777344	35
+	Halifax - Nova Scotia	LD77	1335	1369	L82J0M3752876	L82J7M3752910	35
+	Pilot - Chicago Transit Authority - CTA	LD75	-	-	L82J0M9777934	L82J0M9777934	1

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

## PROCEDURE

- 1.1. Verify that on the master control switch the **STOP (O)** position is selected.
- 1.2. Locate the two heater boxes in the vehicle (Figure 1).

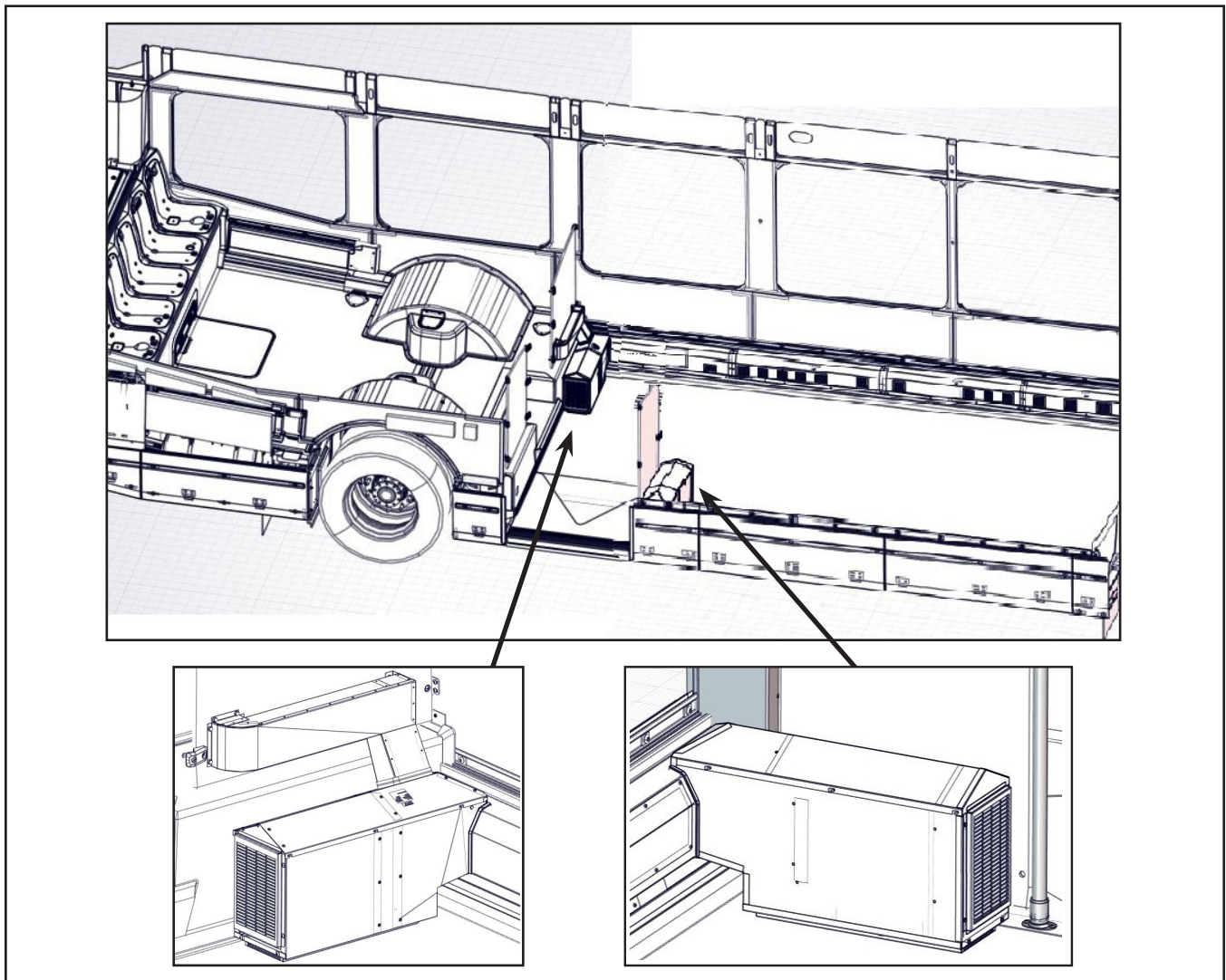


Figure 1 - Location of the Two Heater Boxes

- 1.3. Remove the passenger seats above the heater boxes. Discard "T" bolts and nuts.
- 1.4. Only for the heater located in the back, remove the air diffuser conduit by removing the screws and the blind nuts. Keep the hardware for reinstallation (Figure 2).

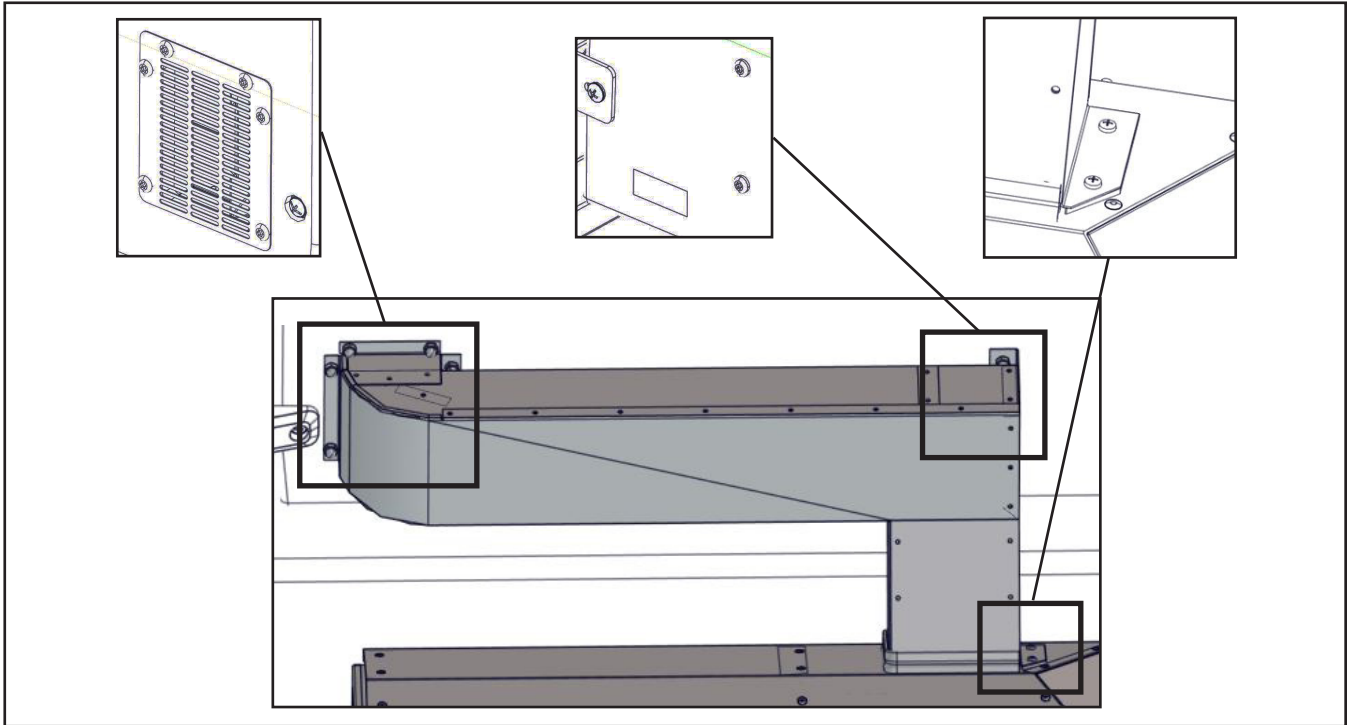


Figure 2 - Remove the Air Diffuser Conduit

- 1.5. In the front of the heater boxes, remove the top four screws to remove the air filter. Remove the two last screws at the bottom and slide the box cover forward to remove it (Figure 3). Keep all the parts.

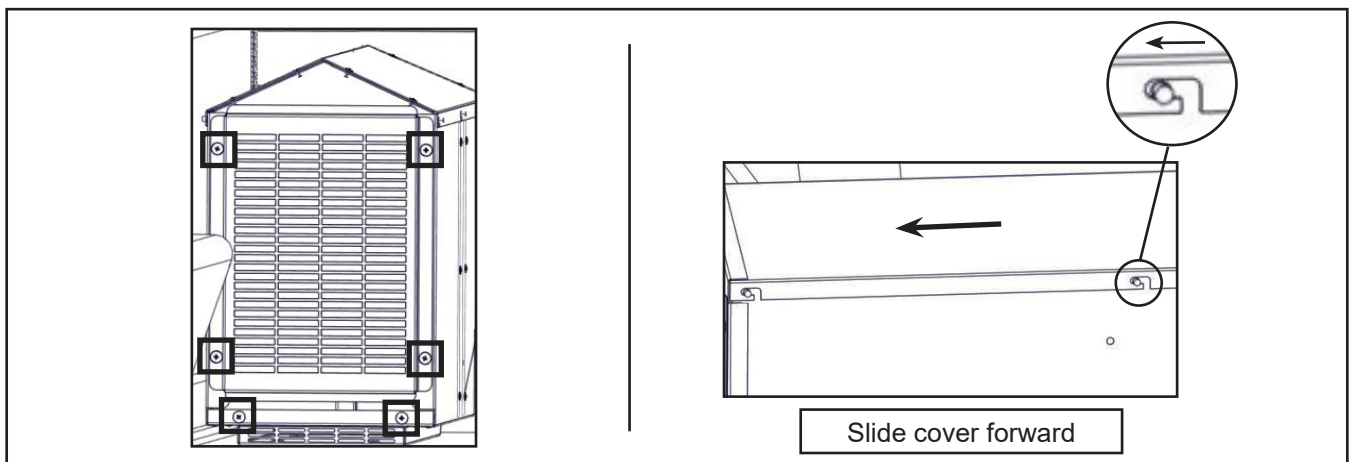


Figure 3 - Remove the Air Filter and the Cover

- 1.6. Once the covers are removed, for each heater box, disconnect the four connectors, cut the cable ties and remove the P-clamp in order to remove the harness. Keep the P-clamp, the two grommets and discard the harness (Figure 4).

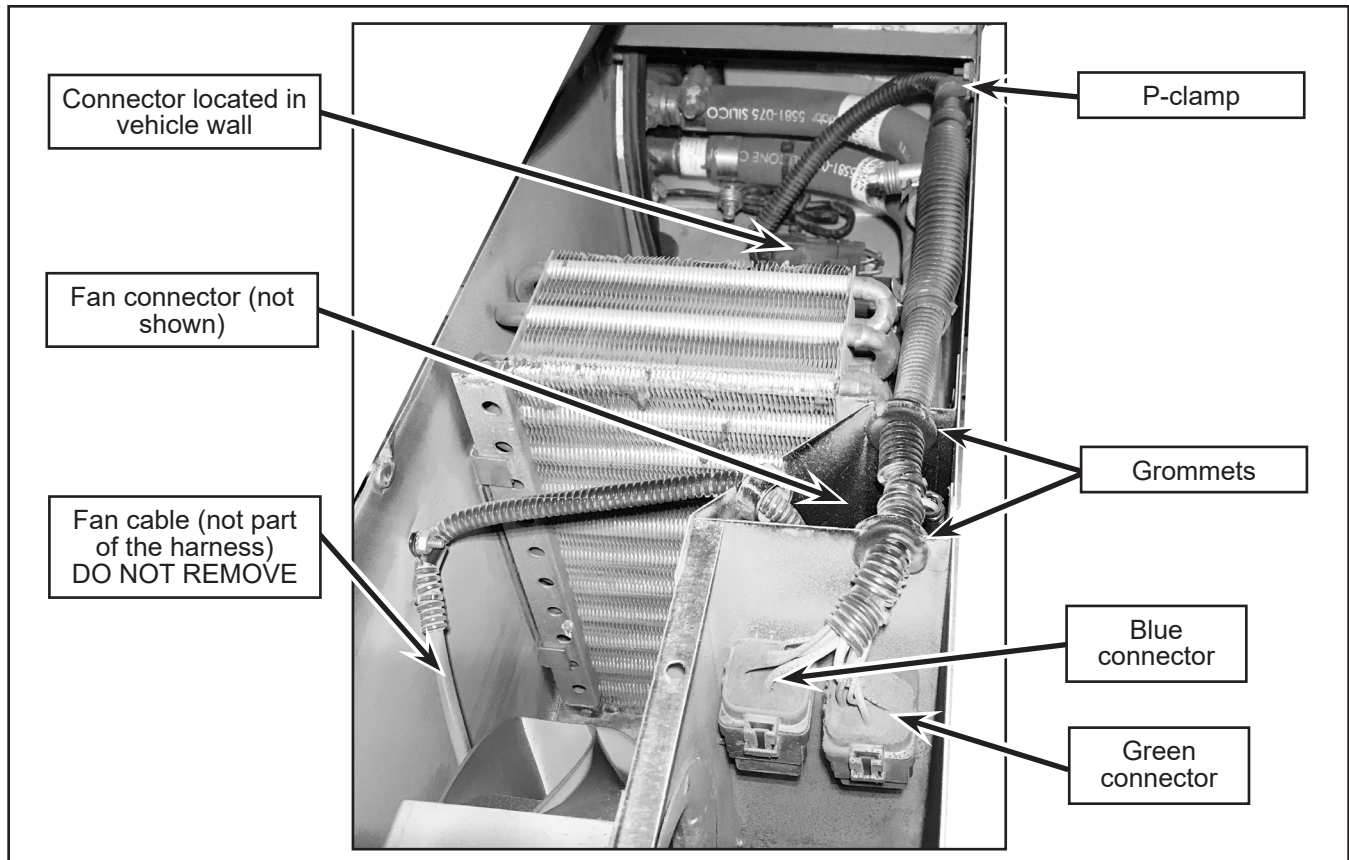


Figure 4 - Remove Harness from Heater Box

- 1.7. Install first part of the new harness (TTE 020950238) like the old one. Connect the four connectors, secure the harness with the P-Clamp and the grommets (Figure 5).

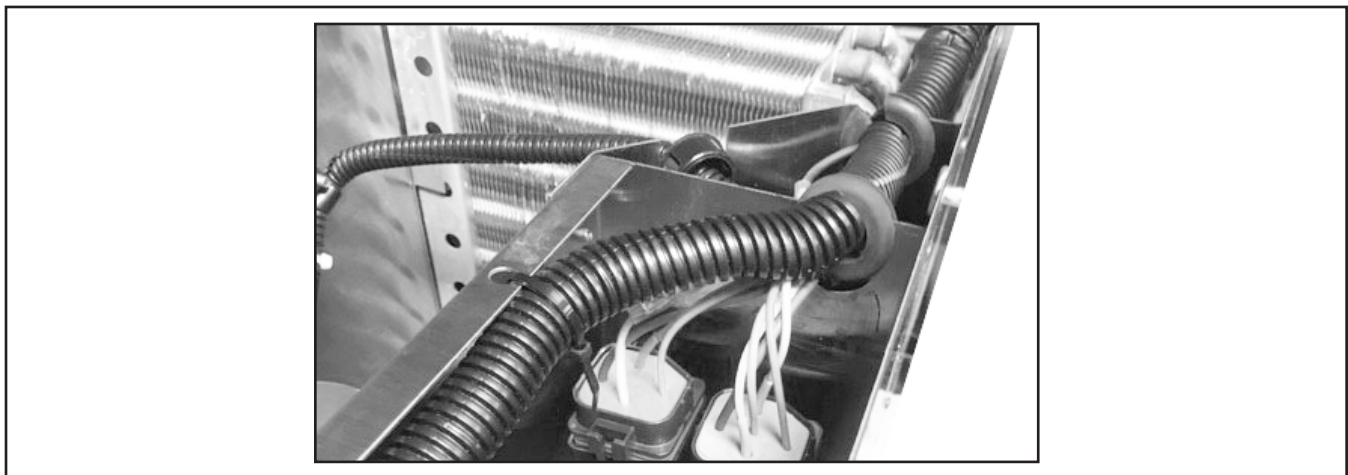


Figure 5 - Install First Part of the Harness

- 1.8. Install the power resistor in front of the heater box. Adjust the bracket so that the bottom of the bracket makes contact with the circular flange (Figure 6).

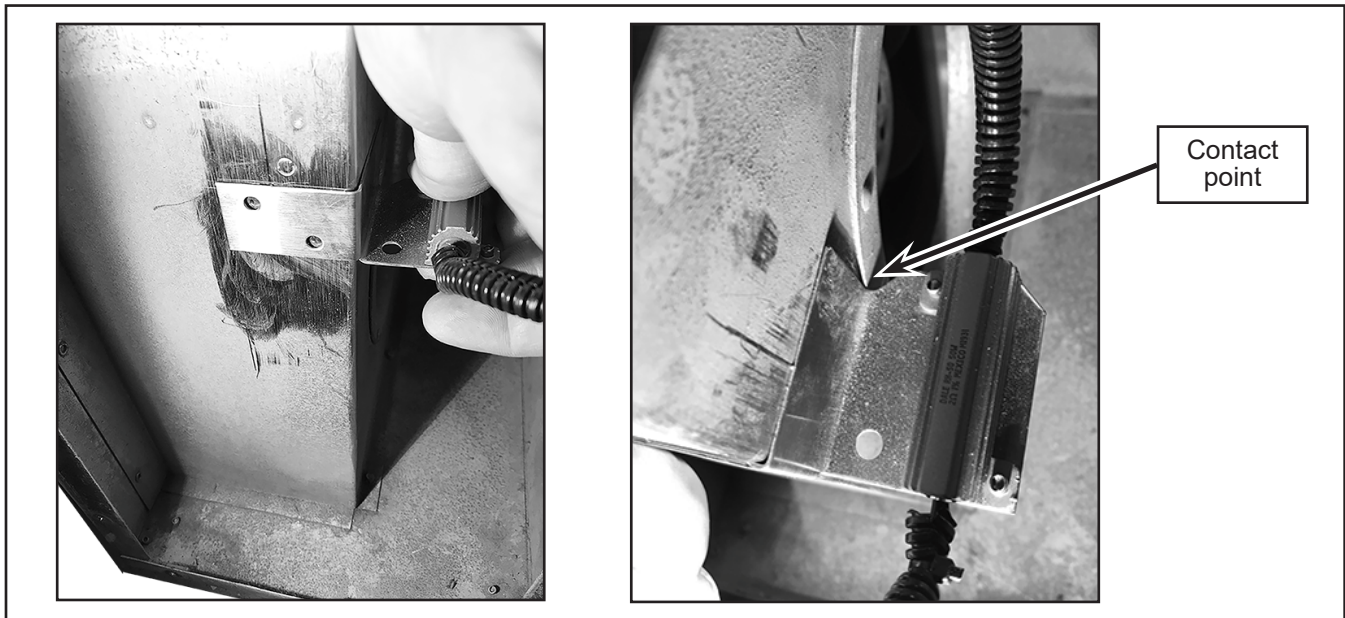


Figure 6 - Position Power Resistor Bracket

- 1.9. Mark the two holes and with a stainless steel drill bit #19 (0.166 po) drill the holes, BE CAREFUL NOT TO DAMAGE THE FAN located on the other side of the wall.
- 1.10. Install the bracket with the two screws included in the Harness Kit (Figure 7).

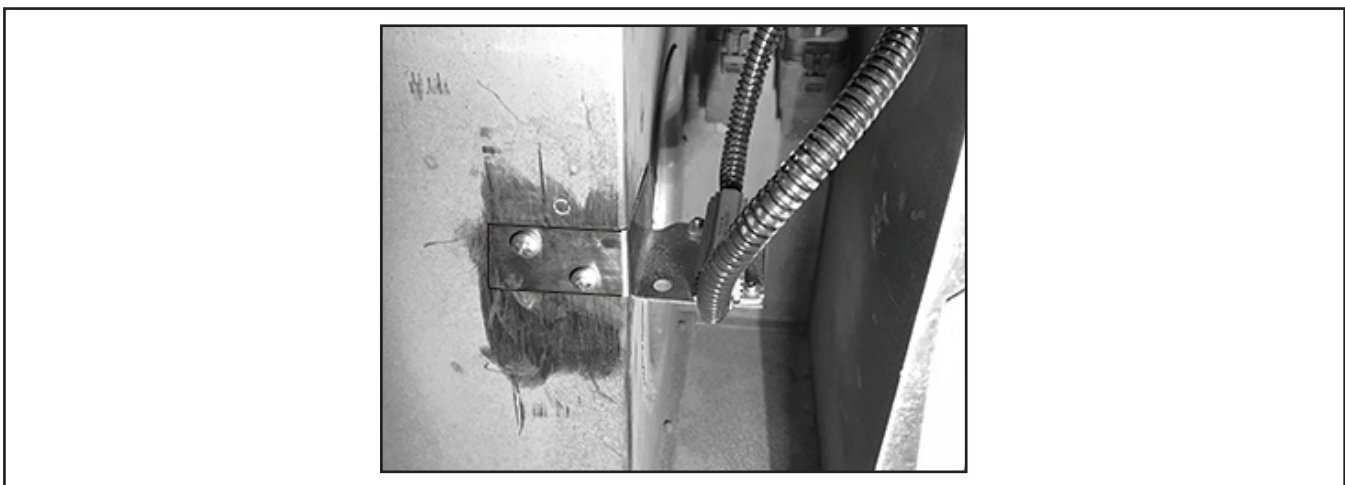


Figure 7 - Power Resistor Bracket Installed

- 1.11. Attach the new wire bundle with supplied cable ties using the two holes on the top flange (Figure 8). If a cable is already attached to the flange, attach the bundle and the cable together (not shown).



Figure 8 - Installation of the New Bundle



**NOTE**

**At this point, it is recommended to verify the heating system. See section 14: Heating and Ventilation of the Maintenance Manual for the procedure.**

- 1.12. Reinstall heater box covers and filters with the removed hardware.
- 1.13. Reinstall the air diffuser conduit on top of the rear heater box.
- 1.14. Reinstall passenger seats with "T" bolts and nuts supplied (N44620-01 & N37109). Torque to the torque value of  $15 \pm 1$  lb-ft ( $21 \pm 2$  N·m) and apply torque seal.
- 1.15. The vehicle can return in service. ❖