

REFERENCE:	Nova Bus Manuals
SECTION:	03-402 Windshield wipers
RS N°:	MQR 7621-583
EFFECTIVE IN PROD.:	L692-71 (2013JA)

APPLICATION DEADLINE:
2014MA17

SUBJECT:	Wipers' central mechanism
JUSTIFICATION:	Possible interference between the underside of the dash and the wiper pivot.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Inspect if the wiper's central pivot mechanism interferes with the underside of the dash. Route the defroster electrical harness.	Nova Bus	–	10 min
2	If required, add a spacer block under the dashboard.	Nova Bus	Client*	1h 25 min

* The cost of the material will be reimbursed when claiming for this service document.

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
–	–	–	–	–
LEVEL 2 (only if required*)				
2	N34181	–	Screw	–
1	N72000	–	Spacer	–

Materials will be available within 14 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.

* The material identified in Level 2 is to be ordered only for vehicles that respect the criteria defined in Level 1.

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	2013MA02	Initial release	Danielle Lacroix
R1	2013JN28	Add inspection level and routing of defroster electrical harness	Wilder Galiano

APPROVED BY:

Daniel Theriault

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Date: 2013.07.09 18:11:52 -04'00'

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - New York	L643	5895	5895	S92U1B4000143	S92U1B4000143	1
New York City Transit - New York	L670	5771	5894	S92U9B4000147	S92U8C4500060	124
New York City Transit - New York	L670	5770	5770	S92UXC4500061	S92UXC4500061	1
New York City Transit - New York	L681	5896	5986	S92U2C4500023	S92U9C4500164	91
New York City Transit - New York	L681	5253	5283	S92U0C4500165	S92U9C4500195	31
New York City Transit - New York	L692	5284	5353	S92U3C4500158	S92U2C4500264	70

**WARNING**

Follow your internal safety procedures.

PROCEDURE

LEVEL 1: INSPECT

- 1.1. Locate the two front dash panels inside the vehicle.
- 1.2. Remove the two front panels. See Figure 1.

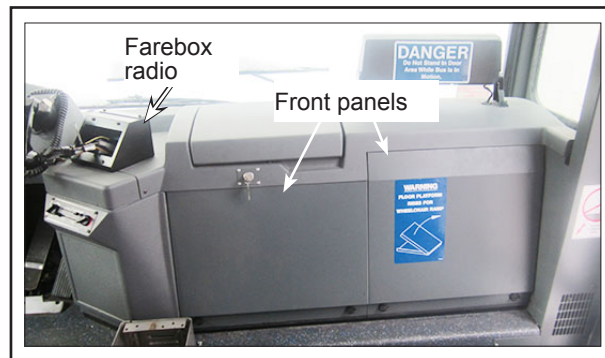


Figure 1 - Figure 1 - Right Side of the Dash

- 1.3. Activate the wipers.
- 1.4. Visually verify if the wiper's central pivot mechanism interferes with the underside of the dash. See Figure 2.

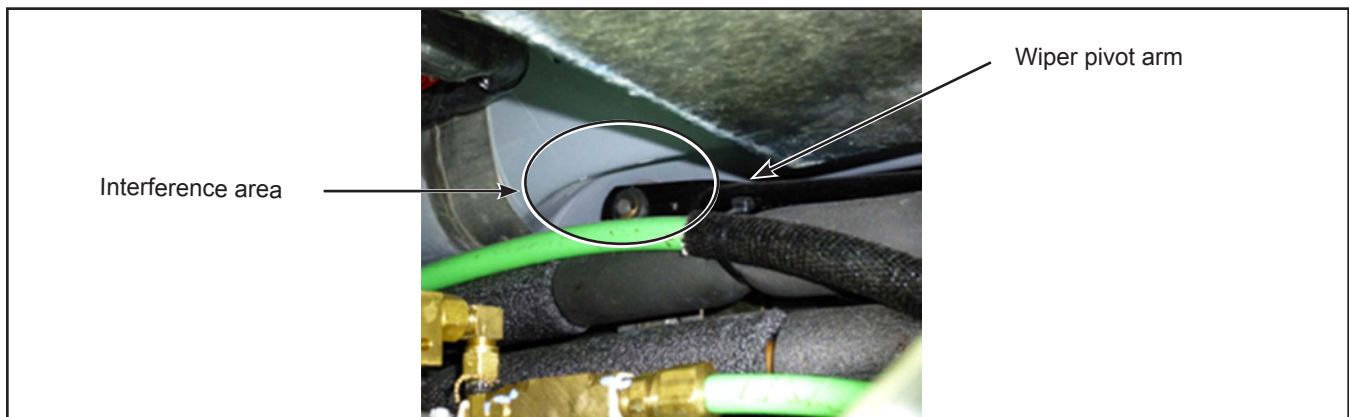


Figure 2 - Wiper Pivot Mechanism

- 1.5. If there is interference, proceed to **LEVEL 2** of this document.

1.6. If there is no interference:

1.6.1. Ensure that the defroster electrical harness is routed with 24 in. distance from the defroster connector to the first C-clip. See Figure 3.

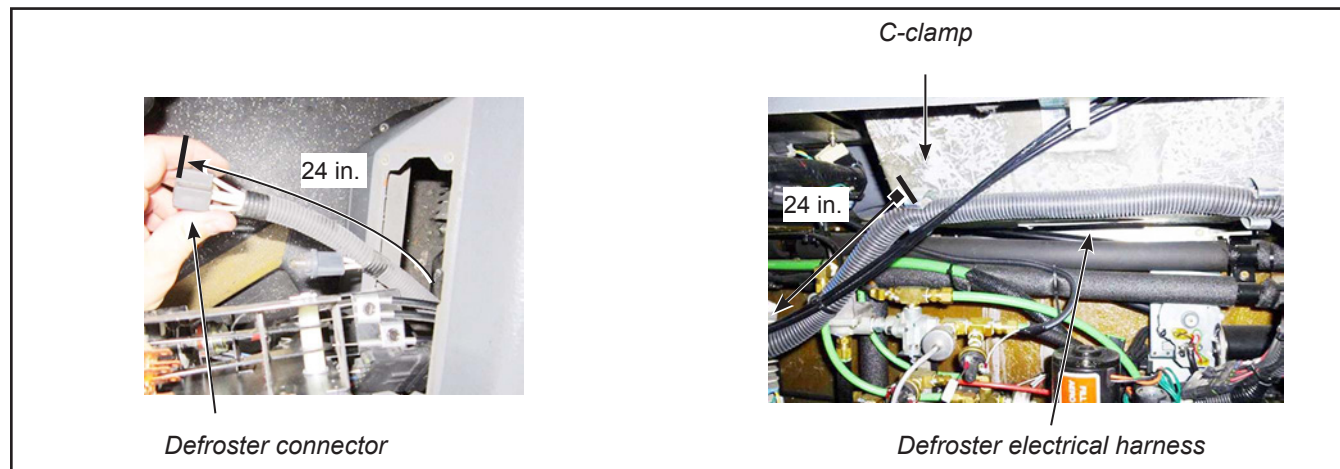


Figure 3 - Defroster Electrical Harness

1.6.2. Close the front dash panels.

LEVEL 2: INSTALL**REMOVE THE RIGHT DASH PANEL**

2.1. Remove the farebox radio (four bolts). See Figure 4.

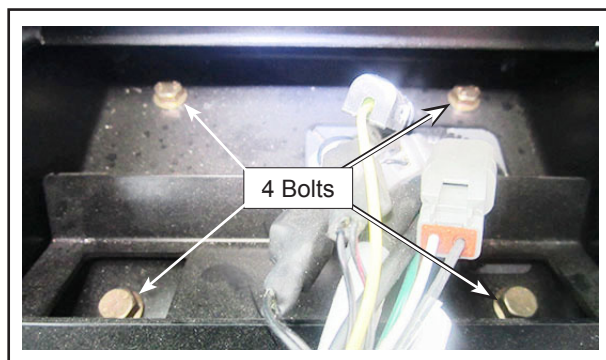


Figure 4 - Farebox Radio Bolts

2.2. Remove the dash screws, four screws on the top, and one on the front of the dash. See Figure 5.

2.3. Cut the rubber seal between the dash and the windshield glass. See Figure 6.

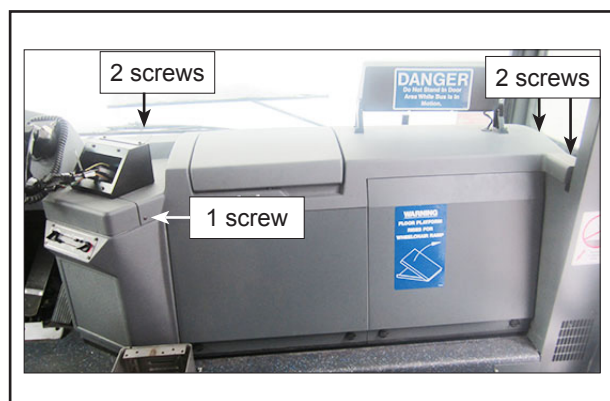


Figure 5 - Location of Screws

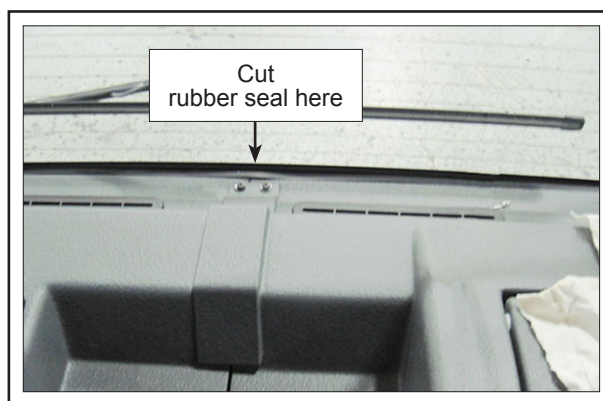


Figure 6 - Front of the Dash

- 2.4. Release the electrical harnesses that are attached to the right side of the dash (cut the tie wraps and remove the harness from the clips). Where necessary, unplug any connectors. See Figure 7.
- 2.5. Slacken the road number box harness. See Figure 7.

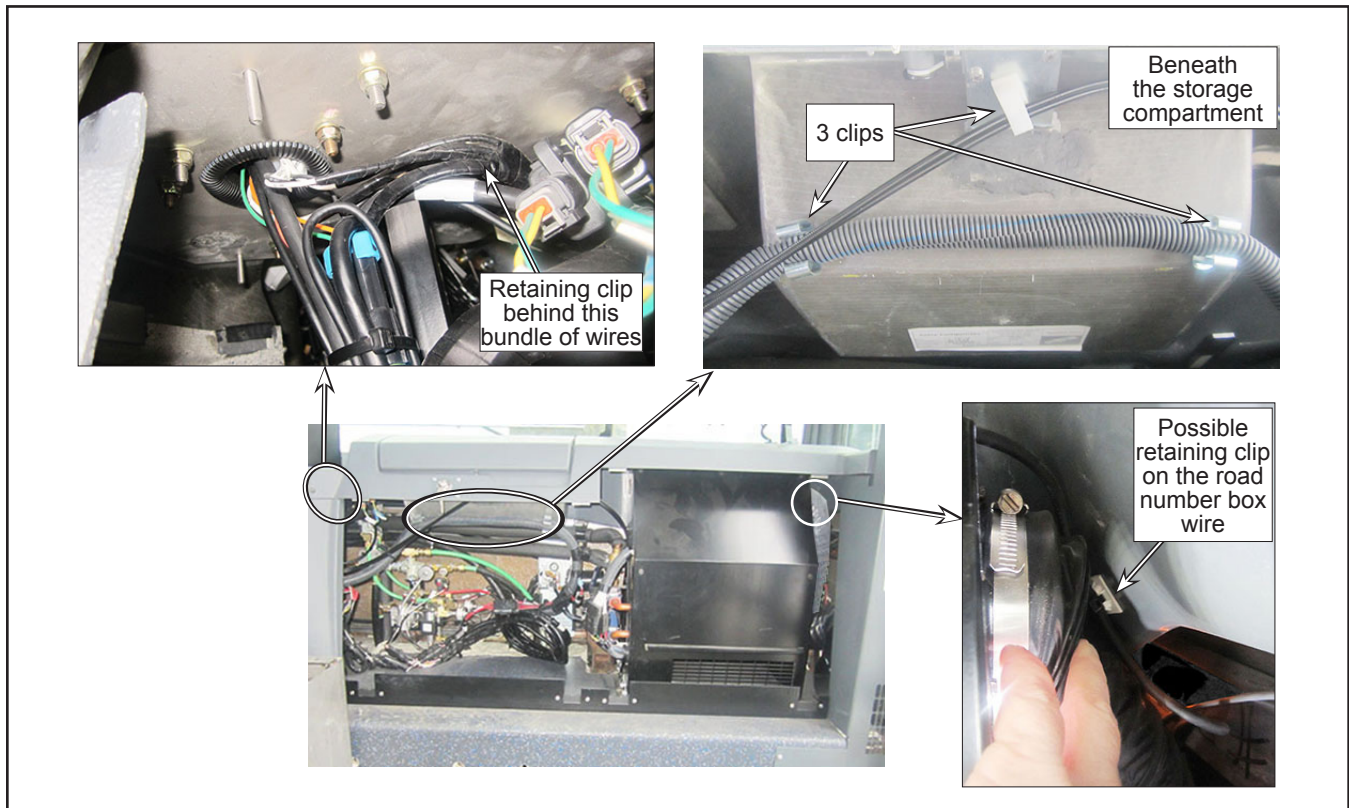


Figure 7 - Approximate Location of Tie Wraps

- 2.6. Remove the nuts from beneath the right hand side of the central plate. See Figure 8.
- 2.7. Loosen the four bolts at the bottom of the heater (to avoid damaging the seal at the back). See Figure 9.

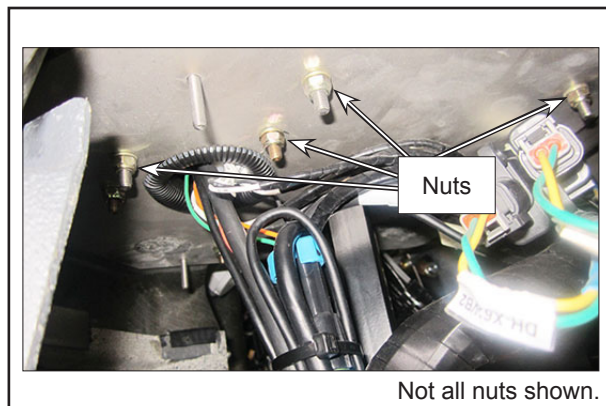


Figure 8 - Remove Nuts Beneath the Central Plate

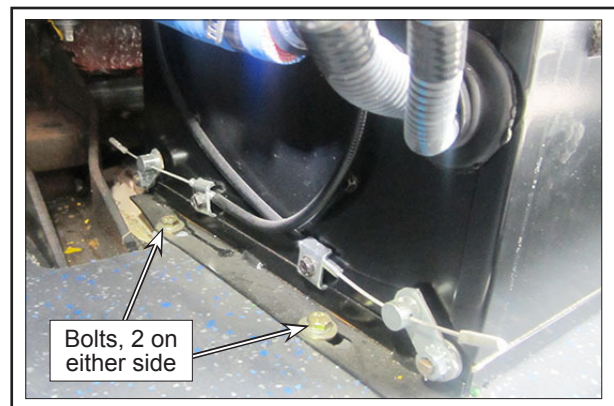


Figure 9 - Heater

- 2.8. Carefully lift the right side of the dash. Eliminate any obstruction that may prevent the dash from being lifted.

SPACER INSTALLATION

- 2.9. Under the dash, in the middle section (Figure 10), remove the two screws that fasten the bracket to the structure (Figure 11).

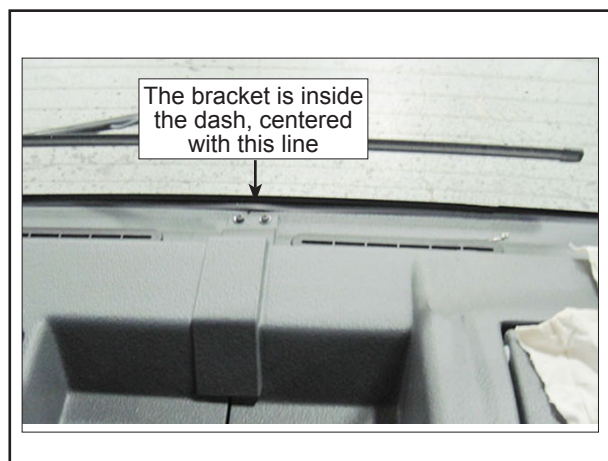


Figure 10 - Bracket Location

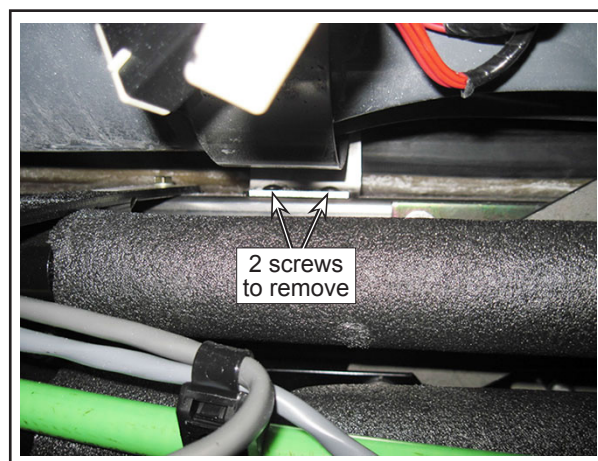


Figure 11 - Bracket Under the Dash

- 2.10. Add the N72000 spacer between the bracket and the structure. Use the new N34181 screws to keep it in place. See Figure 12.

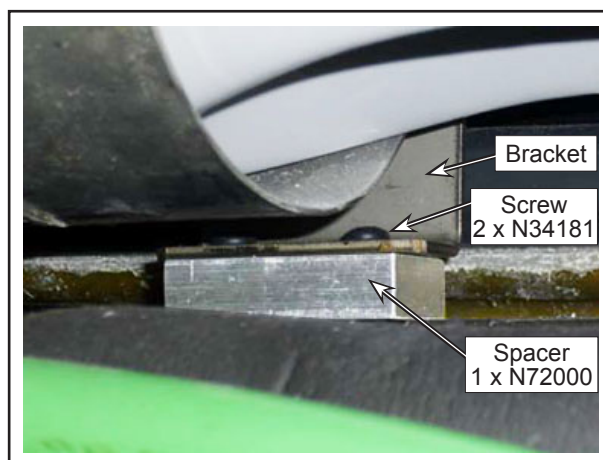


Figure 12 - Spacer

- 2.11. Using the retained hardware, re-install the right side dash panel.

- 2.12. From outside the bus, verify that the three C-clips (N8883532) are in place on the central pivot (Figures 13 and 14). If they are not, install clips where missing.

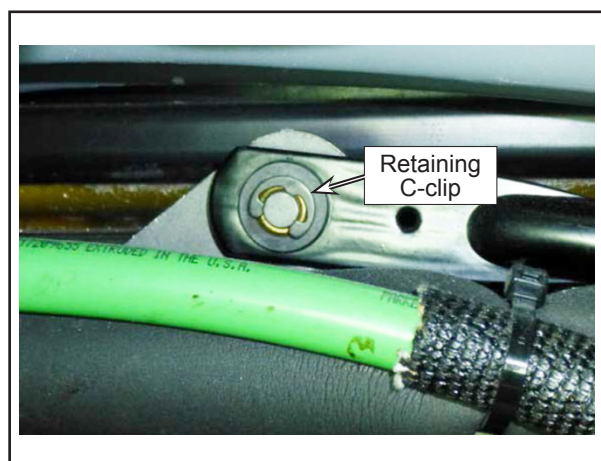


Figure 13 - Pivot C-Clip

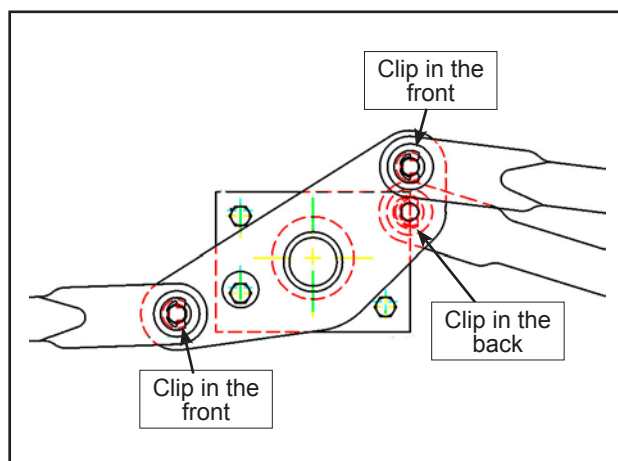


Figure 14 - C-Clip Location

- 2.13. Ensure that the defroster electrical harness is routed with 24 in. distance from the defroster connector to the first C-clip. See Figure 3.
- 2.14. Close the front dash panels. ❖