

REFERENCE:	Nova Bus Manuals
SECTION:	03: Windows, windshield and accessories
RS N°:	MQR 7621-745
EFFECTIVE IN PROD.:	2014JA

APPLICATION DEADLINE: 2015MA01  
CLAIM REFERENCE NUMBER: WB-3104

SUBJECT:	Wiper arms and linkage.
JUSTIFICATION:	Wiper arms and linkage may come loose.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replace bolts and nuts on wiper linkage.	Nova Bus	Nova Bus	1 hour
2	-	-	-	-

## MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>				
2	N77514	-	Hardware kit	-
<b>LEVEL 2</b>				
-	-	-	-	-

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](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	2014-03-26	Initial release	Bertrand Plouffe
R1	2014-10-01	Bs3104 replace by CR3229	Luc Carignan

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Brantford - Ontario	L775	10131	10132	L82U1D3000999	L82U2D3001000	2
Clemson Area Transit - South Carolina	L769	—	—	S92U1D4500418	S92U1D4500418	1
Fredericton - New Brunswick	L774	8131	8131	L82U7D3000960	L82U7D3000960	1
Guelph - Ontario	L767	237	239	L82UXD3000967	L82U3D3000969	3
Niagara Falls - Ontario	L771	1396	1397	L82U9D3000958	L82U0D3000959	2
Peterborough - Ontario	L770	55	60	L82U0D3000993	L82UXD3000998	6
Puerto Rico (ref. L754)	L788	—	—	L82UXD4500277	L82U0D4500305	16
Red Deer - Alberta	L766	1104	1105	L82U7D3001025	L82U9D3001026	2
Regina - Saskatchewan	L776	663	669	L82U4D3001001	L82U5D3001007	7
San Joaquin County - California	L768	—	—	S92L4D4500422	S92L3D4500427	6
Timmins - Ontario	L783	—	—	L82U8D3001017	L82UXD3001018	2
Walt Disney World - Florida	L763	—	—	S92U0D3001019	S92U4D3001024	6
Whitehorse - Yukon	L784	43	43	L82U9D3001057	L82U9D3001057	1
Woodstock - Ontario	L778	—	—	L82U2D3001014	L82U2D3001014	1
York Regional Transit - Ontario	L654	1370	1390	S92U1D3000946	S92U2D3000986	21
York Regional Transit - Ontario	L761	1391	1396	S92U6D3001008	S92UXD3001013	6

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**WARNING**

Follow your internal safety procedures.

**PROCEDURE**

- 1.1. Remove any accessories, on the curb side half of the dashboard. See Figure 1.

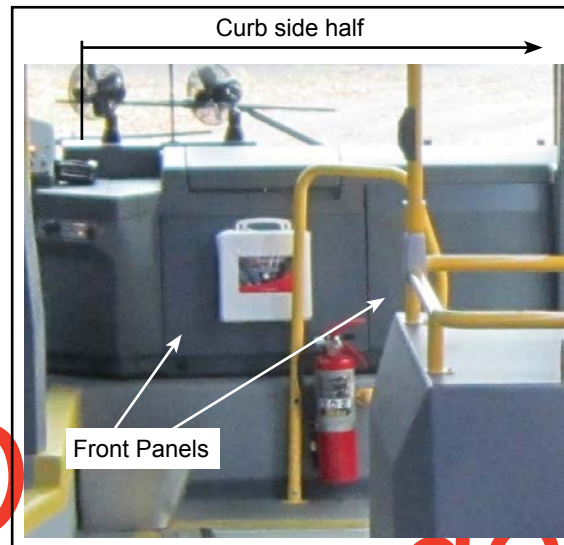


Figure 1 - Location of Accessories to be Removed (Typical)

- 1.2. Remove the front dashboard panels. See Figure 1.  
1.3. Remove the four screws retaining the top dashboard panels. See Figure 2. Retain the hardware.

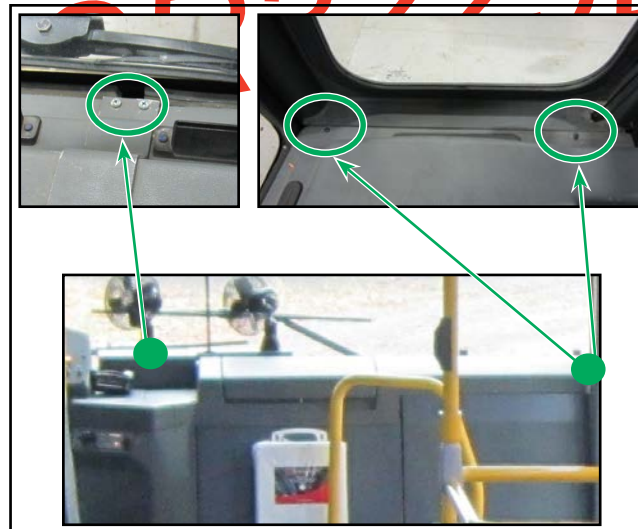


Figure 2 - Location of the Top Panels Screws (4x)

- 1.4. Remove the top panels.
- 1.5. Locate the wiper motor linkage. See Figure 3.

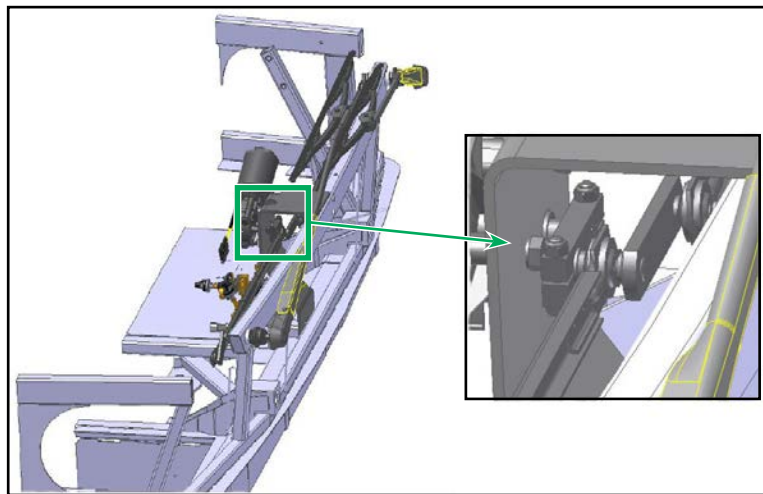


Figure 3 - Location of Wiper Motor Linkage

- 1.6. Remove the linkage intermediate shaft side bolt. See Figure 4. Discard the hardware.

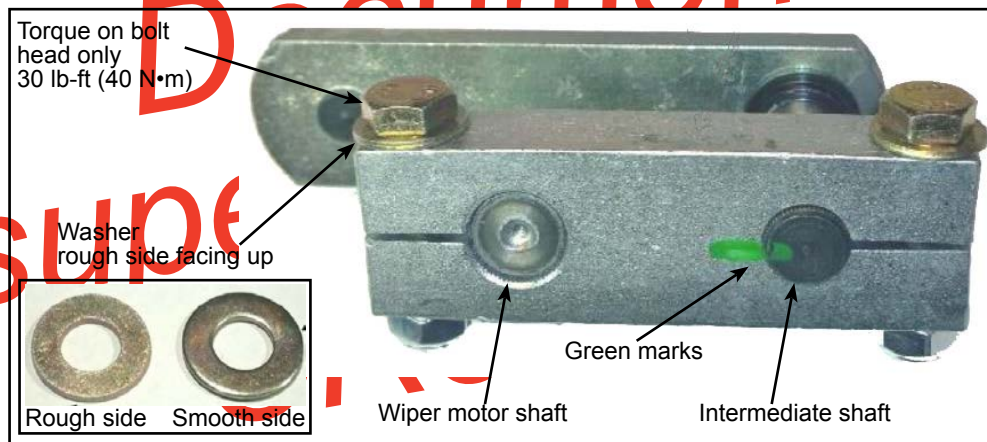
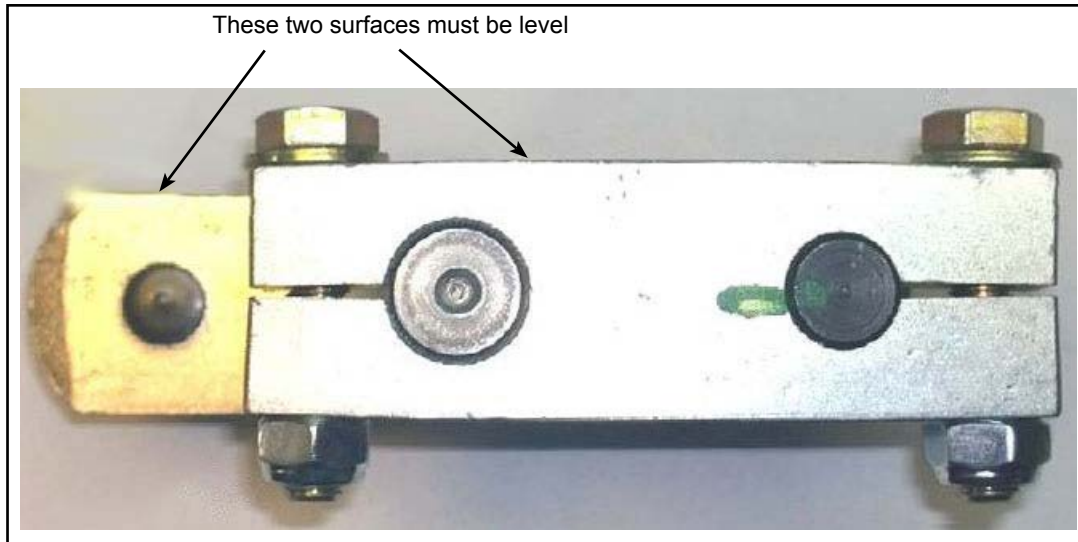


Figure 4 - Linkage Arm Assembly

- 1.7. Align the green marks on the intermediate shaft and linkage arm. See Figure 4.
- 1.8. Install a new N77514 hardware kit. The rough side of the washer must face the bolt head. Apply torque to the specified value on bolt head only. See Figure 4.
- 1.9. Remove the wiper motor shaft side bolt. See Figure 4. Discard the hardware.
- 1.10. Remove the linkage from the wiper motor shaft.
- 1.11. Turn the wiper motor on and off. The motor should continue to run after turning off and stop on its own.
- 1.12. Level the linkage and install it on the wiper motor shaft. See Figure 5.



*Figure 5 - Linkage Top Sides Must be Level when Wiper Motor is in Stop Position*

- 1.13. Install a new N77514 hardware kit. The rough side of the washer must face the bolt head. Apply torque to the specified value on bolt head only. See Figure 4.
- 1.14. Check if the linkage top surfaces are level. If not, loosens the motor shaft side bolt and relevel.
- 1.15. Install the top dashboard panels. Use the retained hardware.
- 1.16. Install the front dashboard panels.
- 1.17. Install the accessories.
- 1.18. The vehicle may be returned to service. ❖

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