

REFERENCE:	Nova Bus Manuals
SECTION:	02: Doors and mechanism
RS N°:	MQR 7621-712
EFFECTIVE IN PROD.:	—

APPLICATION DEADLINE: 2014AU01
CLAIM REFERENCE NUMBER: WB-3163

SUBJECT:	Rear engine access door scissor hinges
JUSTIFICATION:	The rear engine access door may not close properly.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replace the scissor hinge rivets with shoulder screws.	Nova Bus	Nova Bus	45 min
2	—	—	—	—

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
10	N8901819	—	SS shoulder screws 1/4 in.	—
10	N8901820	—	SS locknuts	—
10	N8901821	—	Shoulder screw shims .005 in	—
10	502923	—	Shoulder screw shims .015 in	—
LEVEL 2				
—	—	—	—	—

Materials will be available within 10 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	2014JN25	Initial release	Bertrand Plouffe

APPROVED BY: Daniel Theriault

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DN: cn=Daniel Theriault, o=Nova Bus, ou=Publication, email=daniel.theriault@volvo.com, c=CA
Date: 2014.07.18 08:14:03 -04'00'

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	5770	5894	S92U4C4500024	S92U3B4000242	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 procedures.

PROCEDURE

- 1.1. Open the rear engine access door.
- 1.2. Check for missing or loose rivets on both engine door scissor hinges. See Figure 1. Otherwise, go to step 1.12.

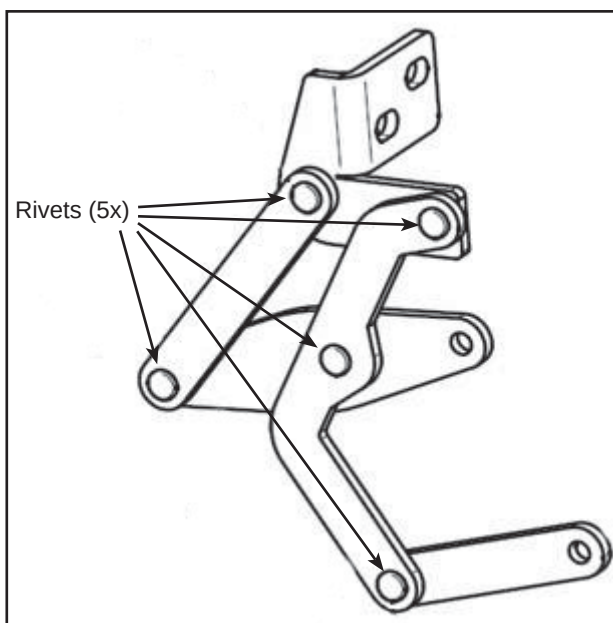


Figure 1 - Rear Engine Access Door Scissor Hinge

- 1.3. Remove the faulty scissor hinge(s) from the vehicle. Retain the hardware.
- 1.4. Remove the five rivets from the hinge using a grinder or a press drill with a 1/4 in. drill bit. See Figure 1.
- 1.5. Enlarge all rivet holes using a press drill with a 1/4 in. drill bit.
- 1.6. Thoroughly deburr each hole.
- 1.7. Apply a small amount of bearing grease, or equivalent, on the hinge pivot points and on then N8901819 shoulder screw shoulder section. See Figure 2.

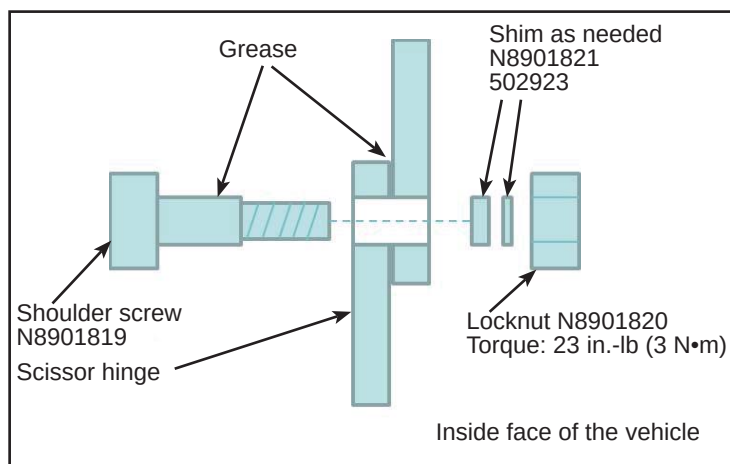


Figure 2 - Scissor Hinge Pivot Point (5x)

- 1.8. Assemble the scissor hinge with the N8901819 shoulder screws and N8901820 locknuts. The locknuts must face inward once the hinges are in place. Apply torque to the specified value. See Figure 2. Apply the specified torque.
- 1.9. Remove excess grease from the hinge pivot points.
- 1.10. Try the scissor hinge movement. If it is too tight, add N8901821 and/or 502923 shims as needed under the locknut. See Figure 2.
- 1.11. Install the scissor hinge on the vehicle. Use the retained hardware.
- 1.12. Close the engine access door.
- 1.13. The vehicle may be returned to service. ❖