

<b>REFERENCE:</b>	Nova Bus Manuals
<b>SECTION:</b>	09: Engine and Cooling
<b>RS N°:</b>	MQR 7621-2673
<b>EFFECTIVE IN PROD.:</b>	(2023JN28)
<b>TC RECALL N°:</b>	N/A
<b>NHTSA RECALL N°:</b>	23V481

**APPLICATION DEADLINES: N/A CLAIM REFERENCE NUMBER: SR5456**

<b>SUBJECT:</b>	Power Steering Hydraulic Hose
<b>JUSTIFICATION:</b>	Certain affected vehicles may have certain power steering hose manufactured by a certain manufacturer may have been assembled with improper fitting potentially causing an insufficient crimp/retaining force on the hose. Under certain conditions a hose separation may occur and cause a sudden loss of power steering assist which may increase the risk of a vehicle crash.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Inspect N95740-37 hydraulic hose fitting.	Nova Bus	-	15 min
2	Replace the hydraulic hose N95740-37 equip with an improper fitting.	Nova Bus	Nova Bus	2h

MATERIAL REQUIRED PER VEHICLE			
QTY	PART N°	REV.	DESCRIPTION
<b>LEVEL 1</b>			
-	-	-	-
<b>LEVEL 2 (only if required**)</b>			
1	N95740-37	-	HOSE HYD HI-PAC WIRE BRAID
<p>** The material identified in Level 2 is to be ordered only for vehicles that meet the criteria defined in Level 1.                      Materials will be available within 17 days once your order has been placed.                      To order, please contact <a href="mailto:novabus.parts@volvo.com">novabus.parts@volvo.com</a>                      Or by phone for CANADA 1-800-771-6682, for USA 1-877-999-8808                      Specify document number, quantity of parts required and shipping address.</p>			
<b>LEVEL 2 SHOP SUPPLIES***</b>			
3 L	Hydraulic oil	-	A MAXIMUM OF 3 LITERS OF HYDRAULIC OIL WILL BE REFUNDABLE UPON CLAIM.

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	2023AU15	Initial release	Luc Carignan

**APPROVED BY:**

Irina  
 Negoescu  
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Signature  
 numérique de  
 Irina Negoescu  
 Date : 2023.08.16  
 13:15:44 -04'00'

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Chicago Transit Authority - CTA - Illinois	LE87	8452	8500	L82J0N97786	L82J4P9778	49
Chicago Transit Authority - CTA - Illinois	LE87	8502	8503	L82J1P97787	L82J8P9778	2
Chicago Transit Authority - CTA - Illinois	LE87	8505	8507	L82J1P97787	L82J7P9778	3
Chicago Transit Authority - CTA - Illinois	LE87	8510	8522	L82J2P97787	L82J2P9778	13
Chicago Transit Authority - CTA - Illinois	LE87	8524	8546	L82J6P97787	L82J6P9778	23
Chicago Transit Authority - CTA - Illinois	LF11	8550	8551	L82JXP97788	L82J1P9778	2
Chicago Transit Authority - CTA - Illinois	LF11	8553	8553	L82J5P97788	L82J5P9778	1
Chicago Transit Authority - CTA - Illinois	LF11	8557	8563	L82J7P97788	L82J8P9778	7
Chicago Transit Authority - CTA - Illinois	LF11	8565	8567	L82J1P97789	L82J5P9778	3
Chicago Transit Authority - CTA - Illinois	LF11	8569	8570	L82J2P97789	L82J4P9778	2
Chicago Transit Authority - CTA - Illinois	LF11	8573	8573	L82J4P97789	L82J4P9778	1
Huntsville Alabama	LF23	—	—	L82JXP97788	L82J8P9778	3
Puerto Rico Highway and Transportation Authority – PRHTA	LF14	23-01	23-05	L82J0P97789	L82J8P9778	5
Puerto Rico Highway and Transportation Authority – PRHTA	LF14	23-07	23-09	L82J1P97789	L82JXP9778	3
Rochester New York - RTS	LE92	2221	2224	L82J5N97786	L82J5N9778	4
Rochester New York - RTS	LE92	2237	2237	L82J3N97786	L82J3N9778	1
Rochester New York - RTS	LE92	2240	2247	L82J4N97786	L82J8N9778	8
Rochester New York - RTS	LF26	2301	2308	L82J3P97788	L82J0P9778	8
San Juan Puerto Rico – AMA	LF41	2022-12	2022-12	L82J8P97788	L82J8P9778	1

**WARNING**

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FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

## PROCEDURE

### LEVEL 1: INSPECT N95740-37 HYDRAULIC HOSE FITTING

- 1.1. Park the vehicle on an even surface with the transmission on neutral.
- 1.2. Apply the parking brake and set the master control switch to the **stop** position.
- 1.3. Set the battery disconnect switch in the battery compartment to the **off** position.
- 1.4. Open the rear engine access door. See Figure 1.
- 1.5. Open the curb side engine access door. See Figure 1.
- 1.6. Inspect the N95740-37 hydraulic hose fitting. If a blue plastic ring is on one of the hoses fitting replace the hose according to level 2 procedure. See Figure 1.
- 1.7. If the N95740-37 hydraulic hose fittings don't have a blue ring return the vehicle in service.



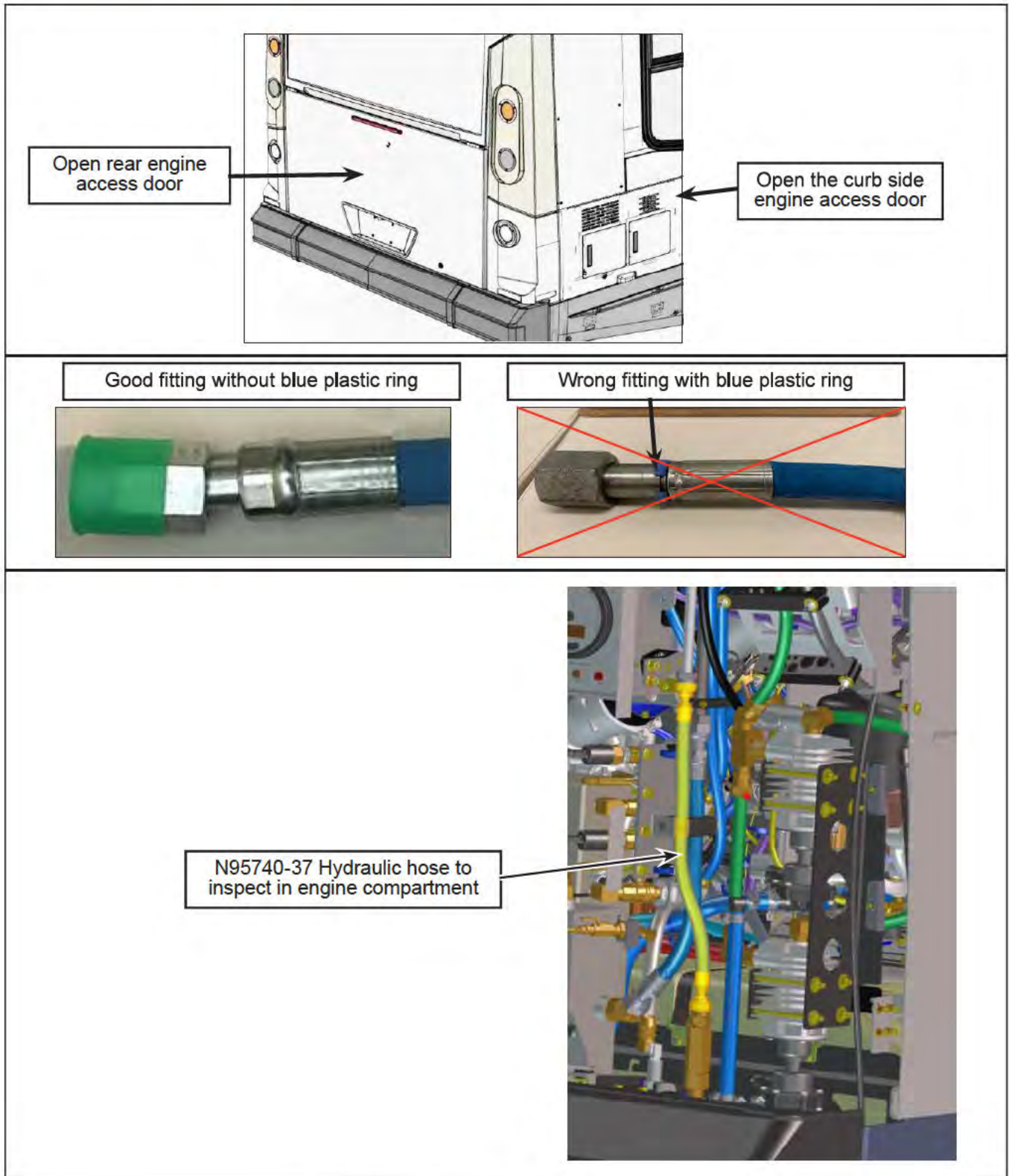


Figure 1 - Hydraulic hose N95740-37 fitting inspection

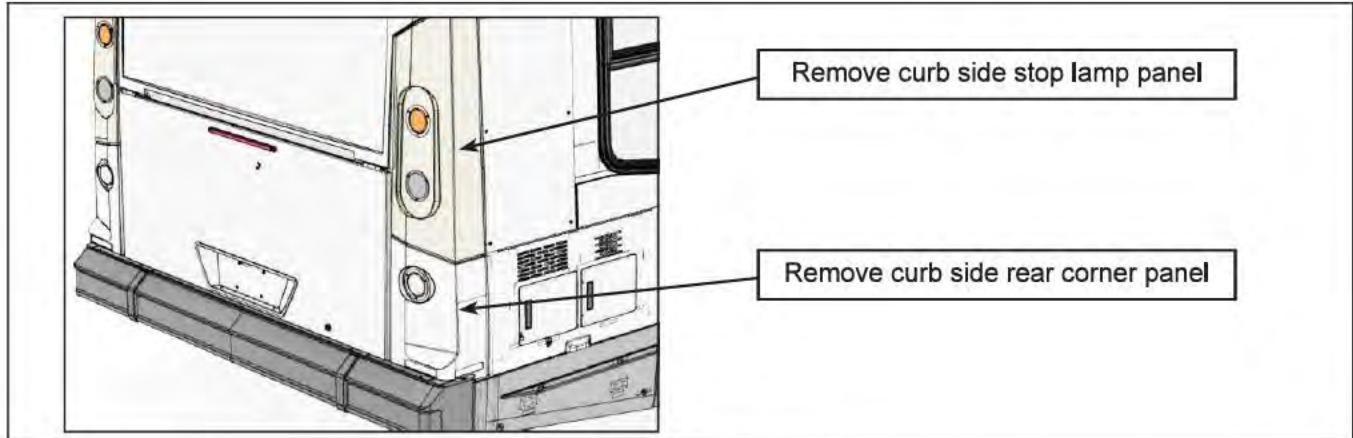
**LEVEL 2: REPLACE THE HYDRAULIC HOSE N95740-37 EQUIP WITH AN IMPROPER FITTING**

Figure 2 - Panel to remove

- 2.1. Remove the curb side stop lamp panel and the curb side rear corner panel. Retain the panels and hardware. See Figure 2.
- 2.2. Place a clean container under the hydraulic reservoir.
- 2.3. Drain the hydraulic oil in the container. Retain the oil to fill the reservoir after the hose replacement.
- 2.4. Remove and discard the hydraulic hose N95740-37 equip with an improper fitting. If required, remove any

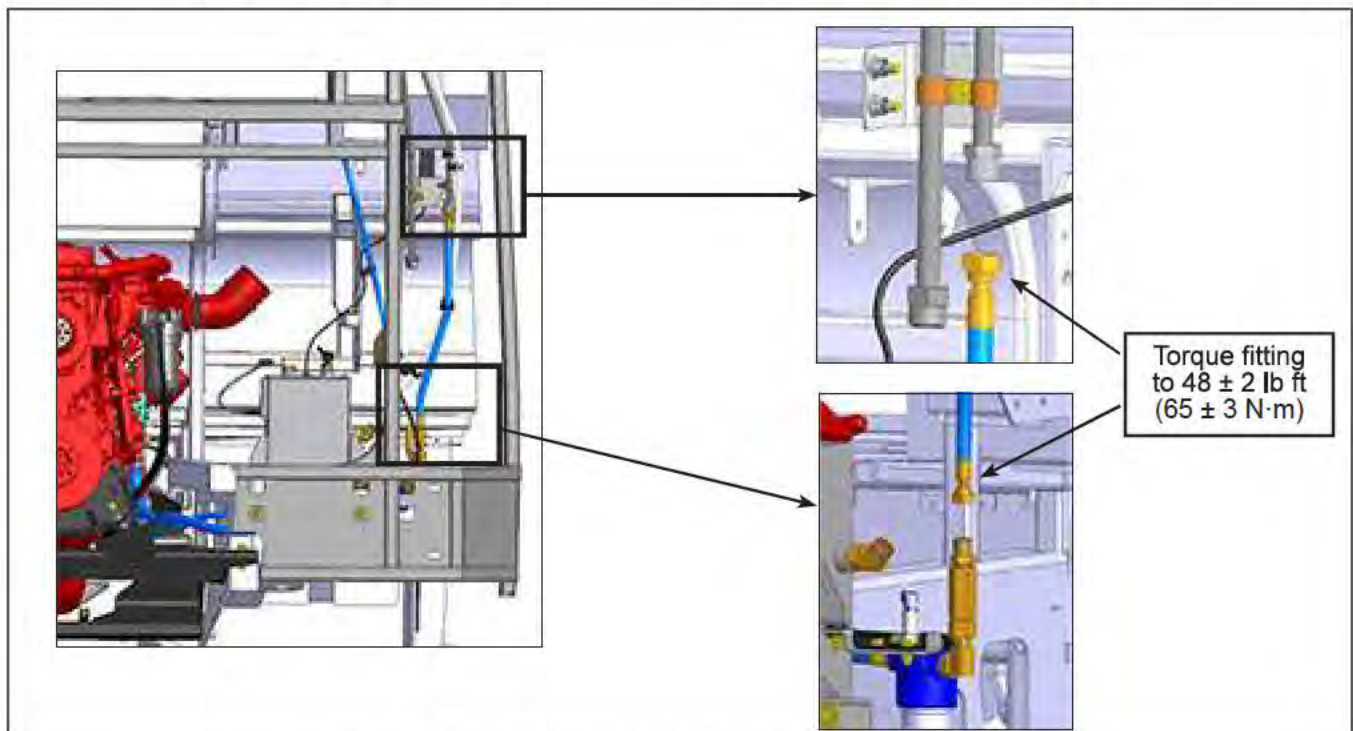


Figure 3 - N95740-37 Hydraulic Hose Fitting Torque Value

dual clamps securing the hoses (note their position for reinstallation).

- 2.5. Install a new N95740-37 hydraulic hose and tighten both fitting. See Figure 3 for torque value.



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**NOTE**

**For the proper installation procedure for ORS type fitting refer to section 99: GENERAL PRACTICES of your Nova Bus maintenance manual.**

- 1.8. If required, secure the new hose with a dual clamp tie.
- 1.9. Fill the hydraulic oil reservoir to the required level.



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**NOTE**

**For the proper hydraulic oil filling procedure refer to section 09: ENGINE AND COOLING of your Nova Bus maintenance manual.**

- 1.10. Start the vehicle and turn the steering wheel on both sides.
- 1.11. Inspect the new N95740-37 hydraulic hose fitting for any oil leaks. Apply the proper corrective if needed.
- 1.12. Stop the engine and clean any excess of oil.
- 1.13. Install the retained panels with the retained hardware.
- 1.14. Return the vehicle in service.

