

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

APPLICATION DEADLINES: N/A CLAIM REFERENCE NUMBER: SR5451

SUBJECT:	Power Steering Hydraulic Hose
JUSTIFICATION:	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 N95740-53 hydraulic hose fitting.	Nova Bus	-	15 min
2	Replace the hydraulic hose N95740-53 equip with an improper fitting.	Nova Bus	Nova Bus	2h*

* Allocated time is for one hoses replacement. If both hoses need to replace time will be 4h.

MATERIAL REQUIRED PER VEHICLE			
QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
-	-	-	-
LEVEL 2 (only if required**)			
2	N95740-53	-	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 novabus.parts@volvo.com 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>			
LEVEL 2 SHOP SUPPLIES***			
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	2023AU14	Initial release	Luc Carignan

APPROVED BY:

Irina

Negoescu

Signature
numérique de
Irina Negoescu
Date : 2023.08.16
13:14:55 -04'00'

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - NYCT	LD08	8943	8943	L82J6N97784	L82J6N9778	1
New York City Transit - NYCT	LD08	8945	8945	L82J4N97784	L82J4N9778	1
New York City Transit - NYCT	LD08	8947	8948	L82J8N97784	L82JXN9778	2
New York City Transit - NYCT	LD08	8950	8963	L82J3N97784	L82J8N9778	14
New York City Transit - NYCT	LE84	8964	8965	L82J7N97786	L82J9N9778	2
New York City Transit - NYCT	LE84	8972	8972	L82J5N97786	L82J5N9778	1
New York City Transit - NYCT	LE84	8975	8975	L82J1P97787	L82J1P9778	1
New York City Transit - NYCT	LE84	8977	8979	L82J6P97787	L82JXP9778	3
New York City Transit - NYCT	LE84	8985	8985	L82J3P97787	L82J3P97787	1
New York City Transit - NYCT	LE84	8987	8991	L82J1P97787	L82J2P97787	5
New York City Transit - NYCT	LE84	8993	8994	L82J6P97787	L82J8P97787	2
New York City Transit - NYCT	LE84	8996	9005	L82J4P97788	L82J5P9778	10
New York City Transit - NYCT	LE84	9007	9008	L82J9P97788	L82J0P97788	2
New York City Transit - NYCT	LE84	9013	9013	L82J3P97788	L82J3P97788	1
New York City Transit - NYCT	LE84	9020	9020	L82J0P97788	L82J0P97788	1
New York City Transit - NYCT	LE84	9023	9023	L82J6P97788	L82J6P97788	1
New York City Transit - NYCT	LE84	9025	9025	L82JXP97788	L82JXP9778	1
New York City Transit - NYCT	LE84	9028	9029	L82J6P97788	L82J8P97788	2
New York City Transit - NYCT	LE84	9033	9035	L82J7P97788	L82J0P97788	3
New York City Transit - NYCT	LE84	9037	9040	L82J4P97788	L82JXP9778	3

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

PROCEDURE

LEVEL 1: INSPECT N95740-53 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. Remove the radiator compartment grid. Retain grid and hardware. See Figure 1.



Figure 1 - Compartment to Open for Fitting Inspection

- 1.7. Inspect the N95740-53 hydraulic hose fitting in the engine compartment and radiator compartment.
 - a. If a blue plastic ring is on one of the hoses fitting replace the hose according to level 2 procedure. See Figure 2.
 - b. If all the fitting on N95740-53 hydraulic hose doesn't have a blue fitting return the vehicle in service.

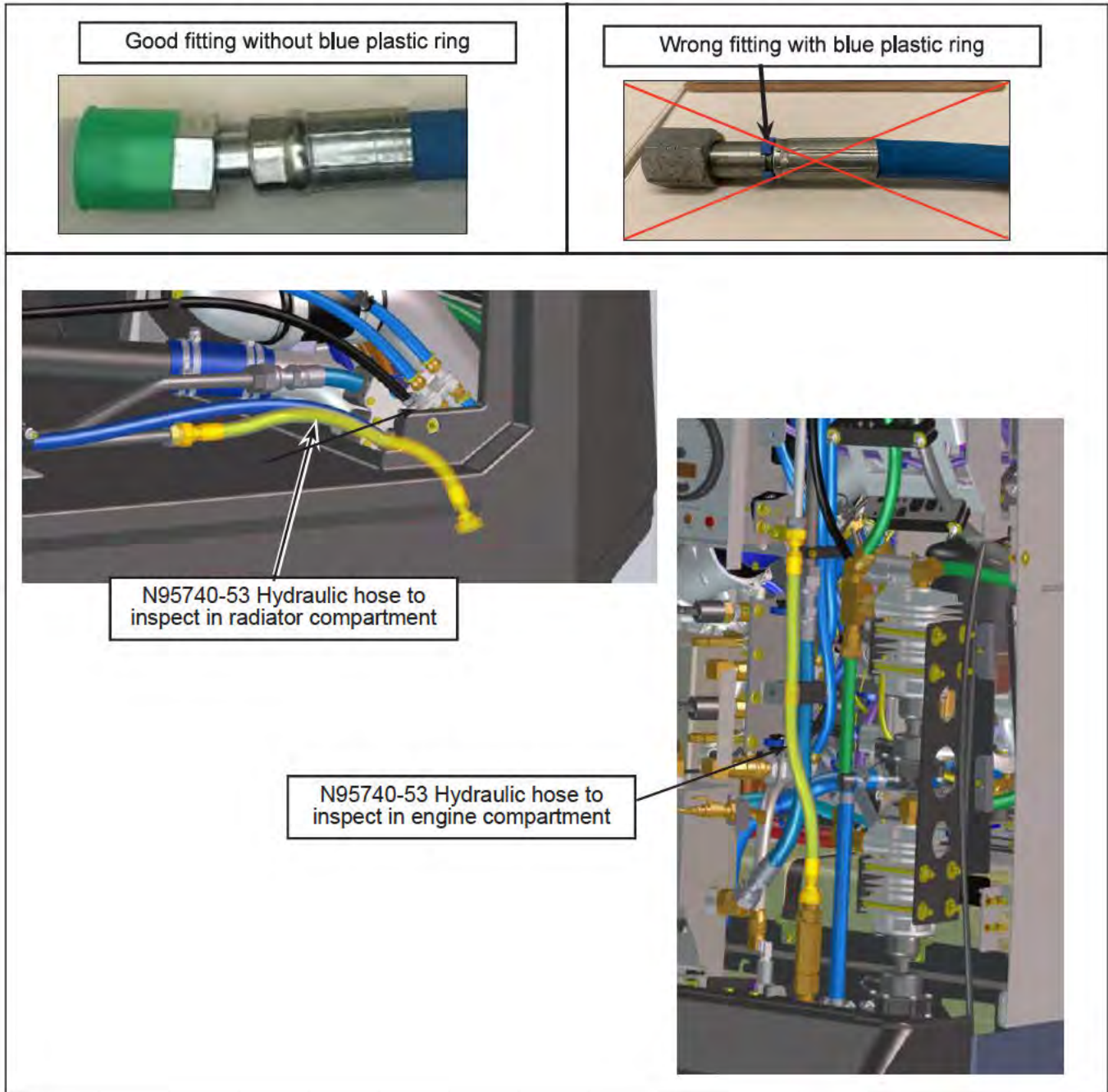


Figure 2 - N95740-53 Hydraulic Hoses Fitting and Position in Engine Compartment

LEVEL 2: REPLACE THE HYDRAULIC HOSE N95740-53 EQUIP WITH AN IMPROPER FITTING

- 2.1. Place a clean container under the hydraulic reservoir.
- 2.2. Drain the hydraulic oil in the container. Retain the oil to fill the reservoir after the hose replacement.
- 2.3. Remove the curb side stop lamp panel and the curb side rear corner panel. Retain the panels and hardware. See Figure 3.

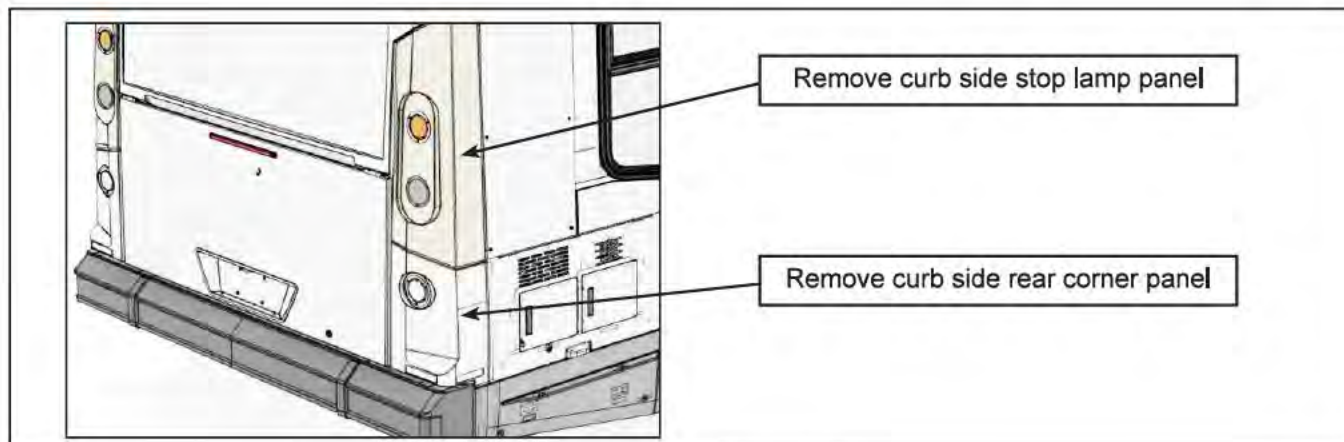


Figure 3 - Panel to remove

ENGINE COMPARTMENT N95740-53 HYDRAULIC HOSE REPLACEMENT PROCEDURE

- 2.4. Remove the split blocks who affix the N95740-53 hydraulic hose to the structure. Retain the block and hardware. See Figure 4.
- 2.5. Remove and discard the hydraulic hose N95740-53 equip with an improper fitting. See Figure 4.

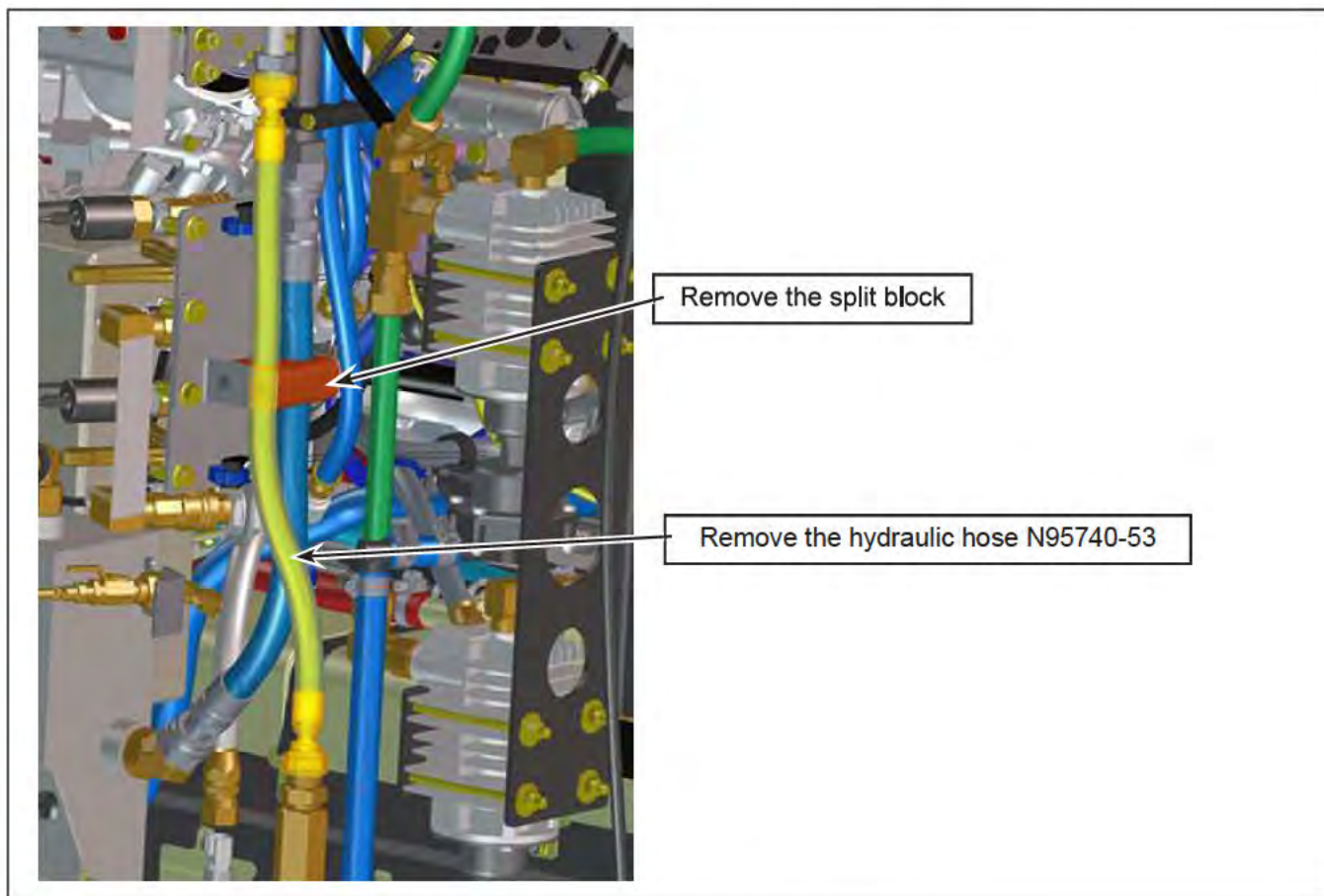


Figure 4 - Engine compartment N95740-53 Hydraulic Hose

- 2.6. Install a new N95740-53 hydraulic hose and tighten both fitting. See Figure 5 for torque value.
- 2.7. Install the retained split block. See Figure 5 for torque value.

**NOTE**

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

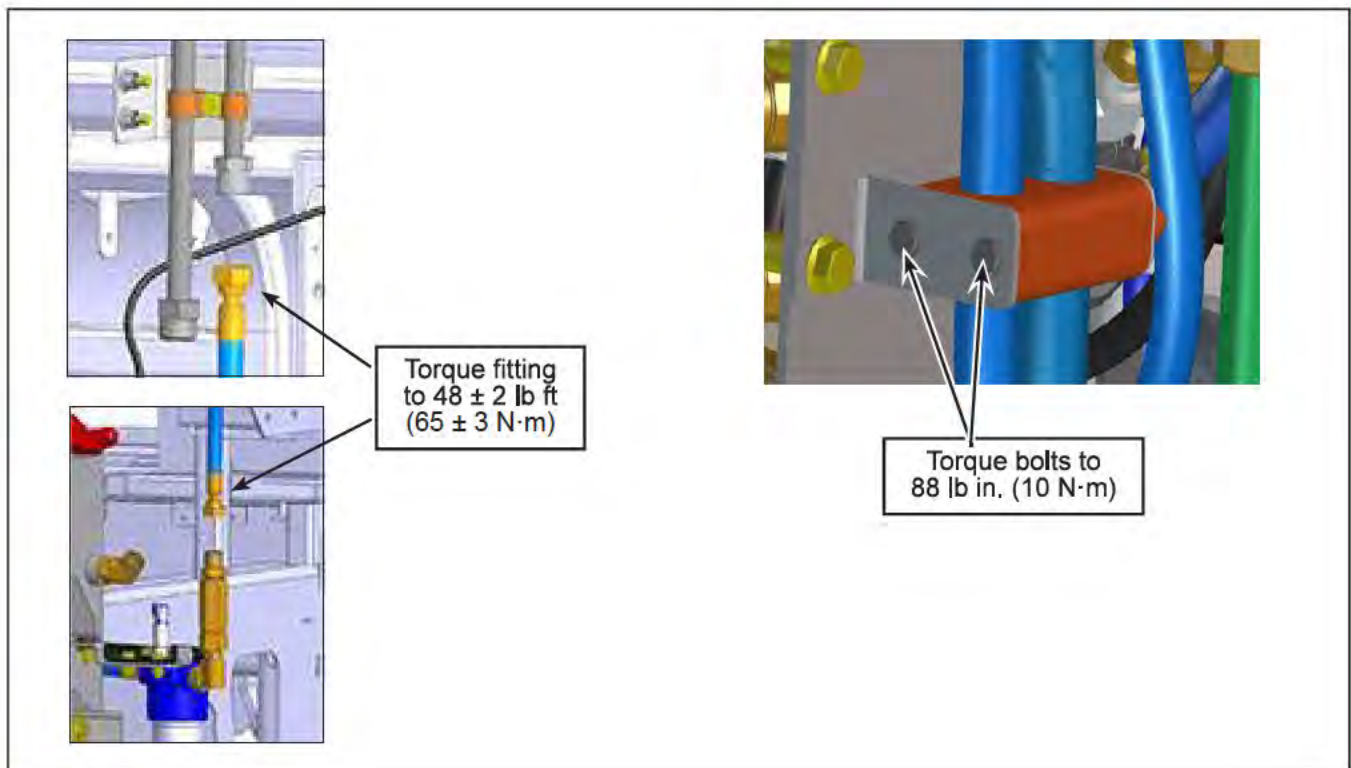


Figure 5 - N95740-53 Hydraulic Hose Fitting and Split Block Hardware Torque Value

RADIATOR COMPARTMENT N95740-53 HYDRAULIC HOSE REPLACEMENT PROCEDURE

- 2.8. Disconnect the N95740-53 hydraulic hose from the rigid pipe in the radiator compartment. See Figure 6.
- 2.9. Disconnect the hydraulic hose from the rigid pipe near the engine control box. See Figure 6.
- 2.10. Remove the split blocks fixing the rigid pipes in the rear curb side portion of the engine compartment. Retain the split blocks and hardware. See Figure 6.

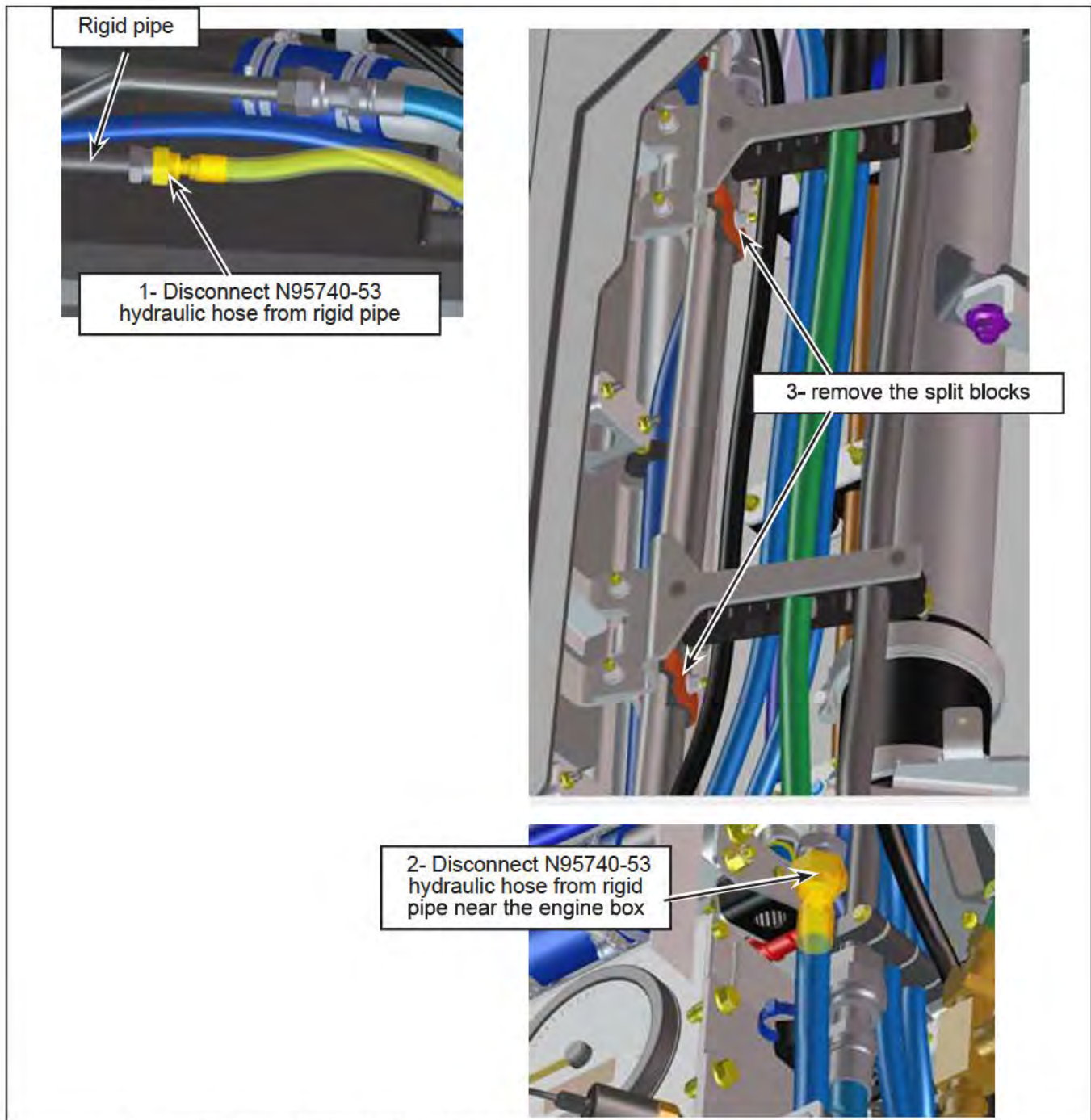


Figure 6 - Removal Steps for N95740-53 Hydraulic Hose Installed in Radiator Compartment.

- 2.11. Pull downward and remove the N95740-53 hydraulic hose and rigid pipe assembly. See Figure 7.
- 2.12. Remove the N95740-53 from the rigid pipe and discard. See Figure 7.
- 2.13. Install a new N95740-53 hydraulic hose on the rigid pipe. See Figure 7 for torque value.

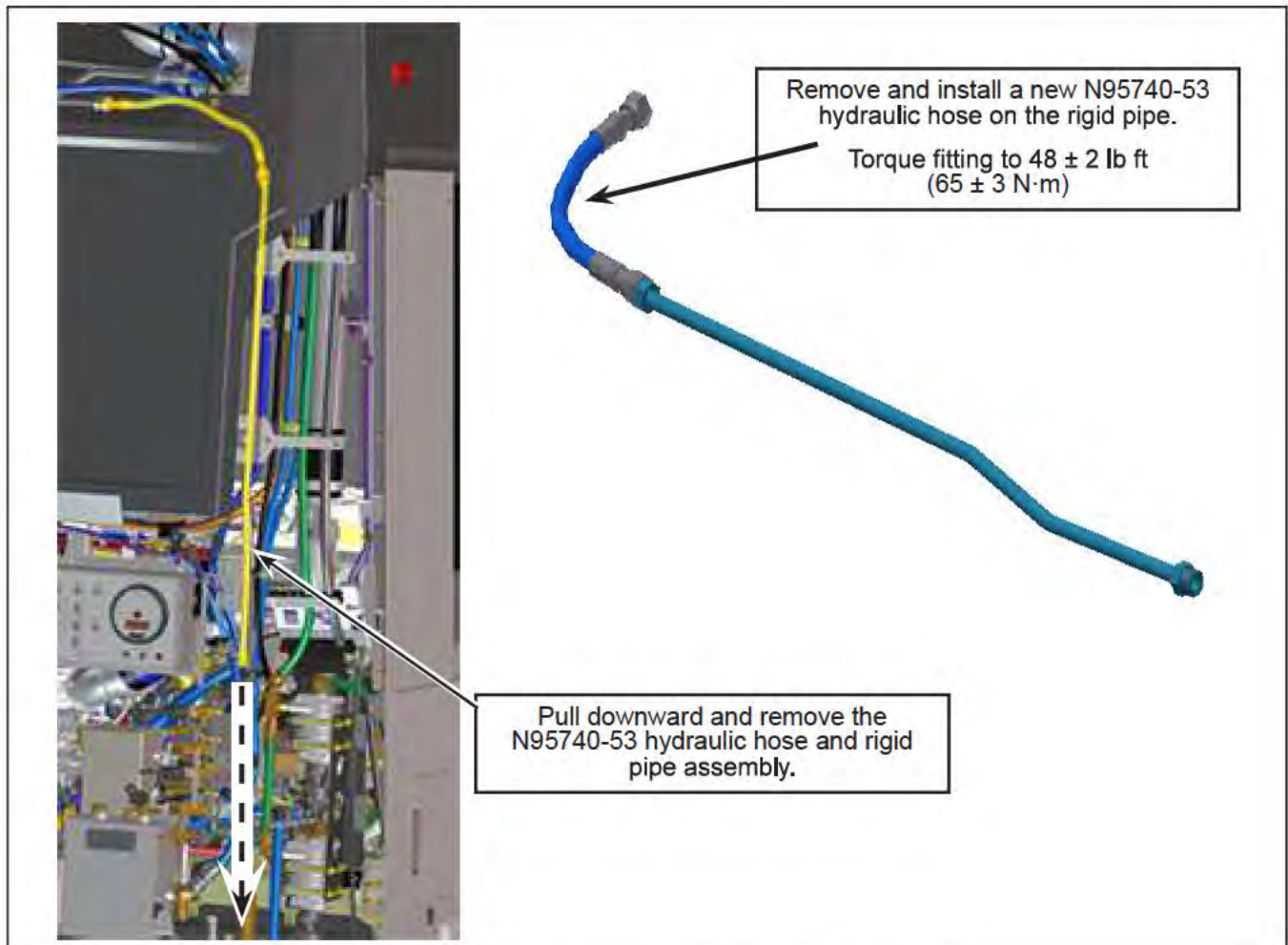


Figure 7 - Removal and Installation of N95740-53 Hydraulic Hose

- 2.14. Affix in the same position the hydraulic hose and rigid pipe assembly to the vehicle frame with the retained split blocks. See Figure 8 for torque value.
- 2.15. Connect and tight the hydraulic hose to the lower portion of the rigid pipe. See Figure 8 for torque value.
- 2.16. Connect and tight N95740-53 hydraulic hose to the rigid pipe in the radiator compartment. See Figure 8 for torque value.

**NOTE**

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

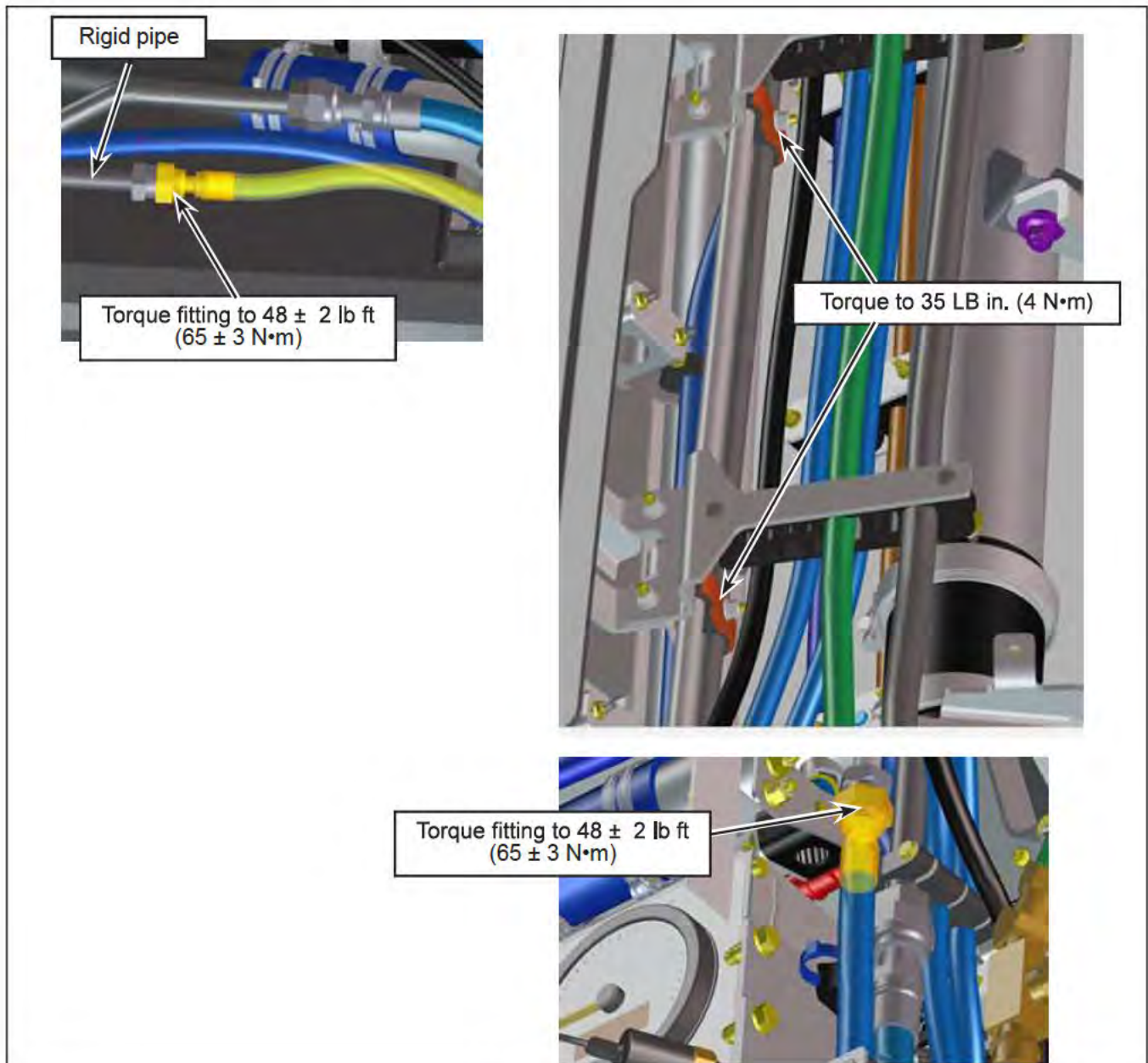


Figure 8 - Torque Value

REFILL HYDRAULIC RESERVOIR

2.17. Fill the hydraulic oil reservoir to the required level.

**NOTE**

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

LEAKS CHECK

2.18. Start the vehicle and turn the steering wheel on both sides.

2.19. Inspect the new N95740-53 hydraulic hose fitting for any oil leaks. Apply the proper corrective if needed.

CLEAN AND CLOSE

2.20. Stop the engine and clean any excess of oil.

2.21. Install the retained panels with the retained hardware.

2.22. Return the vehicle in service.

