

REFERENCE:	Nova Bus Manuals
SECTION:	14: Heating & ventilation
RS N°:	MQR 7621-692
EFFECTIVE IN PROD.:	L738 (2013OC)

APPLICATION DEADLINE: 2016JL01
CLAIM REFERENCE NUMBER: WB-3336

SUBJECT:	AC compressor hoses.
JUSTIFICATION:	AC compressor hoses leaking.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Change the compressor hoses.	Nova Bus	Nova Bus	8 hours
2	—	—	—	—

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	N95790-05	—	HOSE ASM BITZER CPR	—
1	N95790-09	—	HOSE ASM BITZER CPR	—
1	N95791-01	—	HOSE ASM BITZER CPR 90 DEG FIT	—
2	N70200-01	—	O-RING FOR ORS FITTING #20	—
1	N70200-02	—	O-RING FOR ORS FITTING #24	—
1	N8901272	—	GASKET KIT (PACK OF 4)	—
LEVEL 2				
—	—	—	—	—

Materials will be available within 42 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	2015MR23	Initial release	Bertrand Plouffe
R1	2015AL22	Remove heat shields from BOM, add an installation procedure	Bertrand Plouffe

APPROVED BY:

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - New York	L536	1200	1201	S92U793000490	S92U993000491	2
New York City Transit - New York	L545	1202	1289	S92U5A4000001	S92U0A4000098	88
New York City Transit - New York	L643	5895	5895	S92U1B4000143	S92U1B4000143	1

**WARNING**

Follow your internal safety procedures.

**NOTE**

This repair must be performed by a certified refrigeration technician.

- 1.1. Remove the refrigerant from the AC system.
- 1.2. Remove old AC hoses from compressor. See Figure 1.

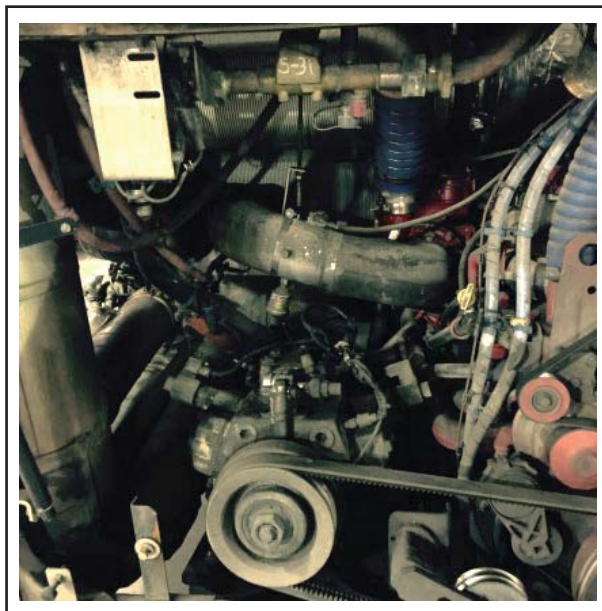


Figure 1 - AC Compressor with Hoses Removed

- 1.3. Clean all twelve connection surfaces.
- 1.4. Install N95790-05 hose, N70200-01 O-ring and N8901272 gasket. See Figure 2. Tighten to specified torque. See Figure 3. Apply torque seal.

**NOTE**

Lubricate the O-ring before installation.

Tighten ORS fittings using a crow foot or open wrench only.

The hose must have no kinks after final installation. See Figure 6.

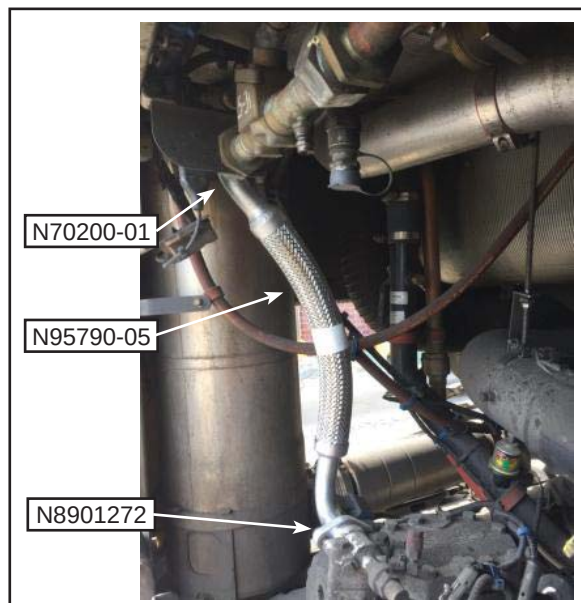


Figure 2 - N95790-05 Hose Installation

Installation Informations		
Hose	ORS Fitting Torque	M8 Flange Bolt Torque
N95790-05	133 lb-ft (180 N•m)	22 lb-ft (30 N•m)
N95790-09	133 lb-ft (180 N•m)	22 lb-ft (30 N•m)
N95791-01	133 lb-ft (180 N•m)	22 lb-ft (30 N•m)

Figure 3 - Torque Table

- 1.5. Install N95791-01 hose, N70200-02 O-ring and N8901272 gasket. See Figure 4. Tighten to specified torque. See Figure 3. Apply torque seal.



NOTE

Lubricate the O-ring before installation.

Tighten ORS fittings using a crow foot or open wrench only.

The hose must have no kinks after final installation. See Figure 6.

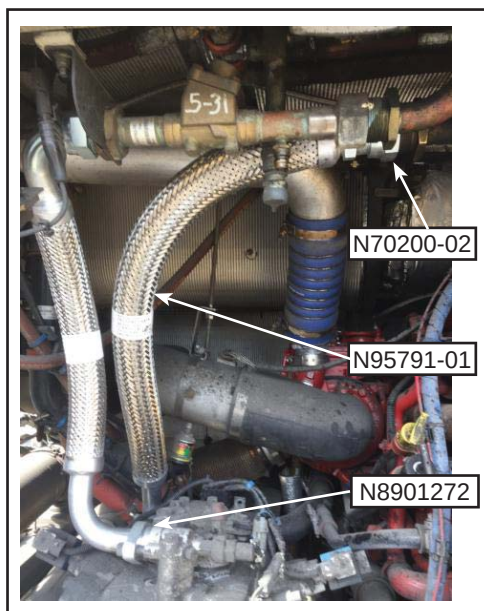


Figure 4 - N95791-01 Hose Installation

- 1.6. Install N95790-09 hose, N70200-01 O-ring and N8901272 gasket. See Figure 5. Tighten to specified torque. See Figure 3. Apply torque seal.



NOTE

Lubricate the O-ring before installation.

Tighten ORS fittings using a crow foot or open wrench only.

The hose must have no kinks after final installation. See Figure 6.

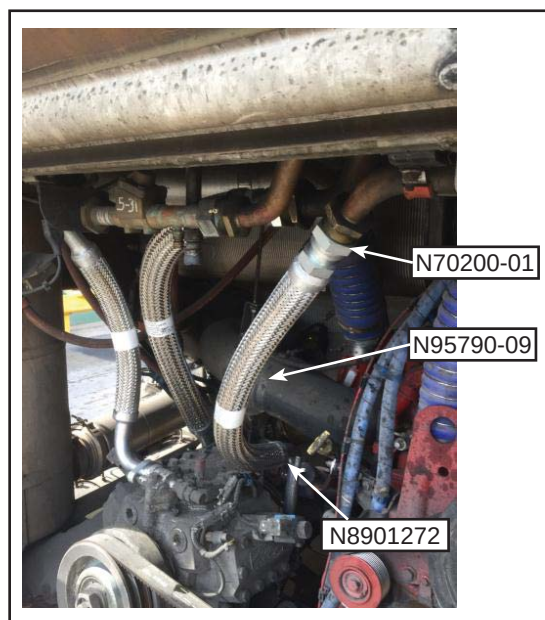
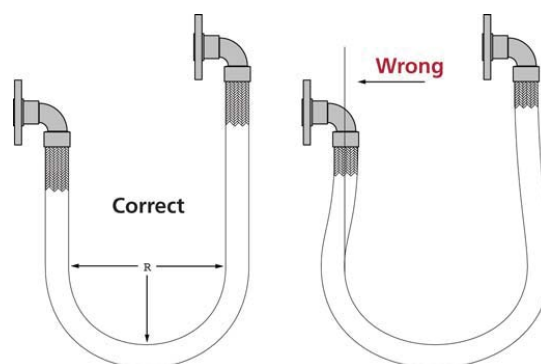


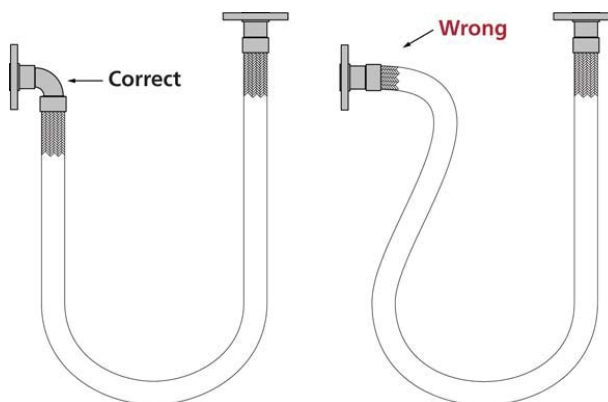
Figure 5 - N95790-09 Hose Installation

Avoid over bending.

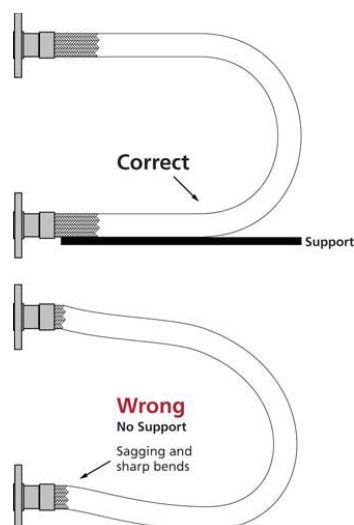
The repetitive bending of a hose to a radius smaller than the radius listed in the specification tables for corrugated hose will result in premature hose failure. Always provide sufficient length to prevent over bending and to eliminate strain on the hose.

**Avoid sharp bends.**

Utilize sound geometric configurations that avoid sharp bends, especially near the end fittings of the assembly.

**Provide support.**

When installing the assembly in a horizontal loop, provide support for the arms to prevent the hose from sagging.



DS-EN-1000 (06)

Figure 6 - Hose Installation Guidelines

- 1.7. Fill the AC system with refrigerant.
- 1.8. Test the AC system.
- 1.9. The vehicle may be returned to service. ❖