

REFERENCE:	Nova Bus Manuals
SECTION:	14: Heating and ventilation
RS N°:	MQR 7621-869
EFFECTIVE IN PROD.:	—

APPLICATION DEADLINE: 2016MA15
CLAIM REFERENCE NUMBER: WB-3282

SUBJECT:	A/C compressor belt
JUSTIFICATION:	A/C compressor belts may split down the center.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install new rubber compressor mounts, compressor plate hardware and belt.	Nova Bus	Nova Bus	70 min
2	—	—	—	—

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	N78162	—	Compressor Belt 76"	N35402
8	N32932	—	Nord-lock lockwasher M12	—
4	N69378	—	Nut FL M12 Dacromet class 10.9	—
3	N69539	—	Screw M12x50 hex Dacromet class 10.9	—
1	N17588	—	Screw M12x70 hex Dacromet class 10.9	—
4	N74196	—	Anti vibration mount 70SH	N36493
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	2014NO20	Initial release	Bertrand Plouffe
R1	2015MR12	Removed level 2	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	L608	8000	8014	L82U6B4000047	L82U0B4000061	15
New York City Transit - New York	L620	8015	8074	L82U2B4000062	L82U7B4000123	60
New York City Transit - New York	L621	8075	8089	L82U9B4000124	L82U9B4000138	15

**WARNING**

Follow your internal safety procedures.

PROCEDURE

LEVEL 1: PROCEDURE

- 1.1. Open the rear engine access door.
- 1.2. Locate the A/C compressor. See Figure 1.

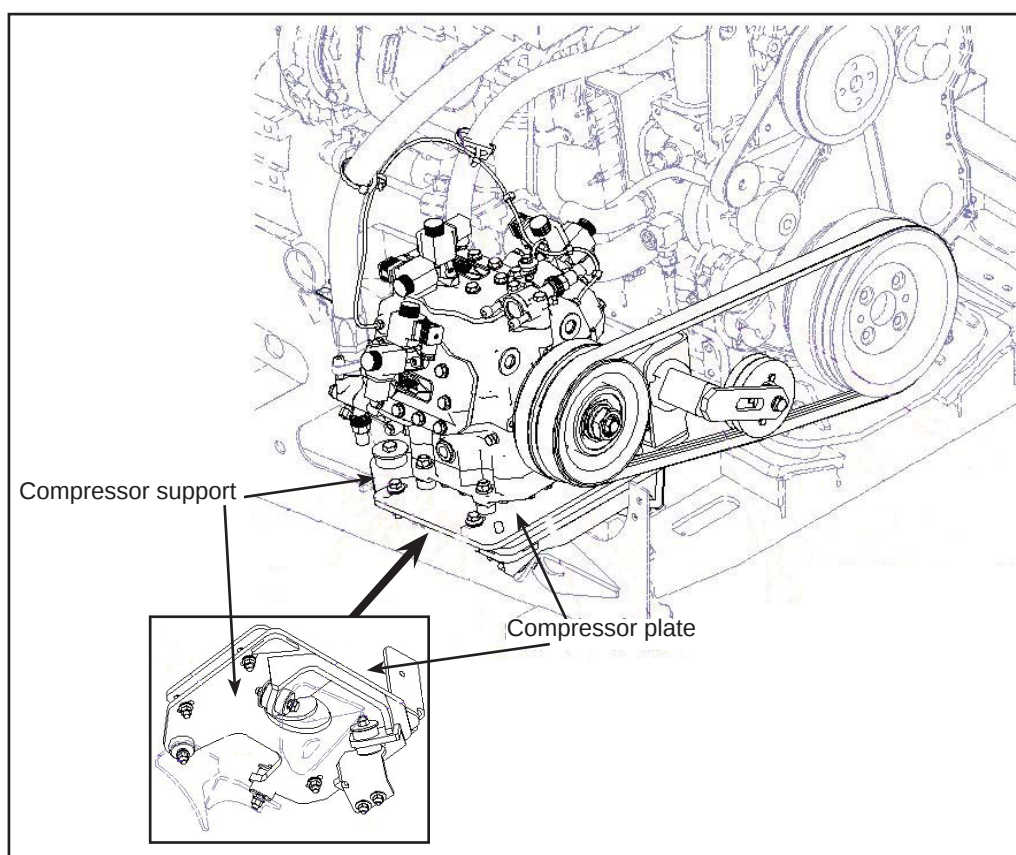


Figure 1 - A/C Compressor Location

- 1.3. Remove the A/C compressor belt in accordance with section 14: **HEATING AND VENTILATION** in the Nova Bus maintenance manual. Discard the belt.

- 1.4. Remove the four rubber mounts on the A/C compressor support. See Figure 2. Discard the rubber mounts. Retain the remaining hardware.

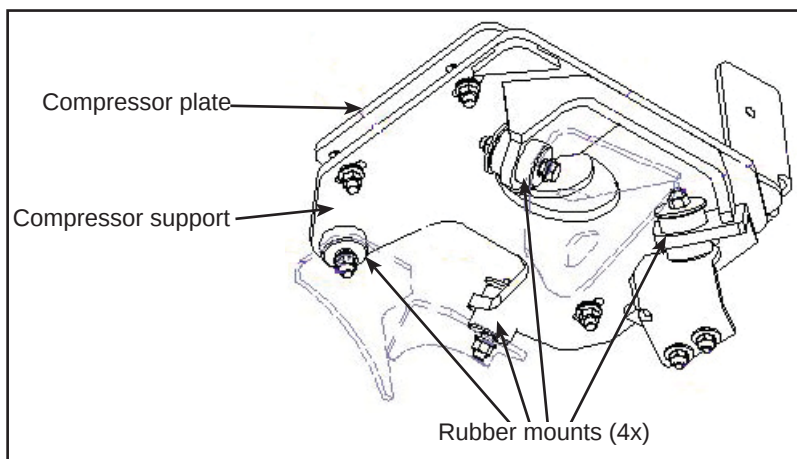


Figure 2 - A/C Compressor Support Rubber Mounts

- 1.5. Install the new N74196 (4x) rubber mounts on the A/C compressor support. Use the retained hardware.
- 1.6. Apply specified torque and torque sequence. See Figure 3.

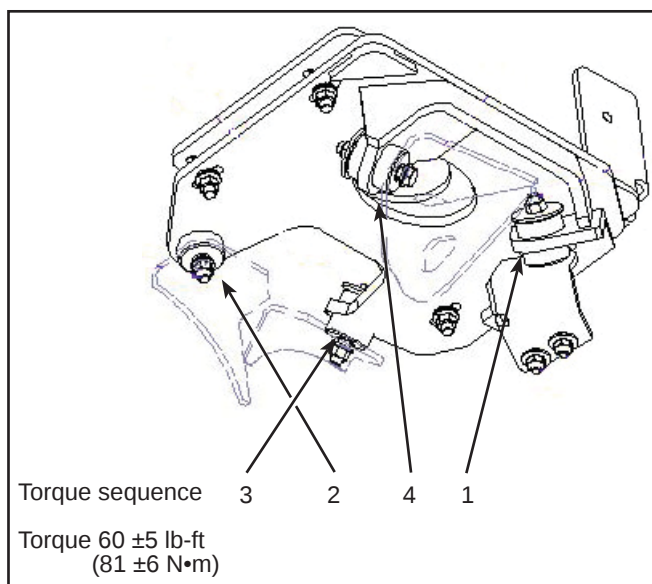


Figure 3 - Rubber Mounts Torque Sequence

- 1.7. Remove the compressor plate M12 bolts (4x), nuts (4x) and washers. See Figure 4. Discard the hardware.

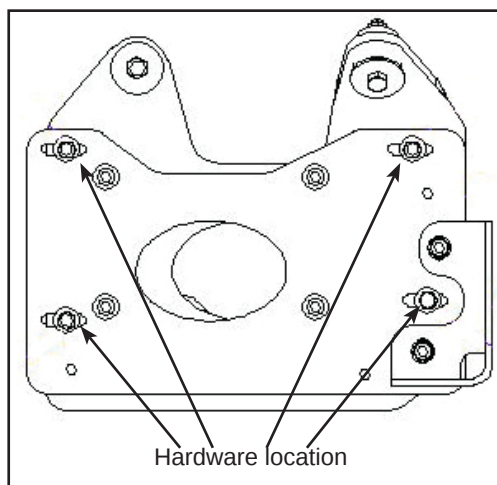


Figure 4 - Compressor Plate Hardware Location

- 1.8. Install new hardware N69539 M12x50 class 10.9 screws (3x), N17588 M12x70 class 10.9 screw (1x), N69378 M12 class 10.9 nuts (4x) and N32932 M12 Nordlock washers (8x). See Figure 5. Hand tighten the hardware.

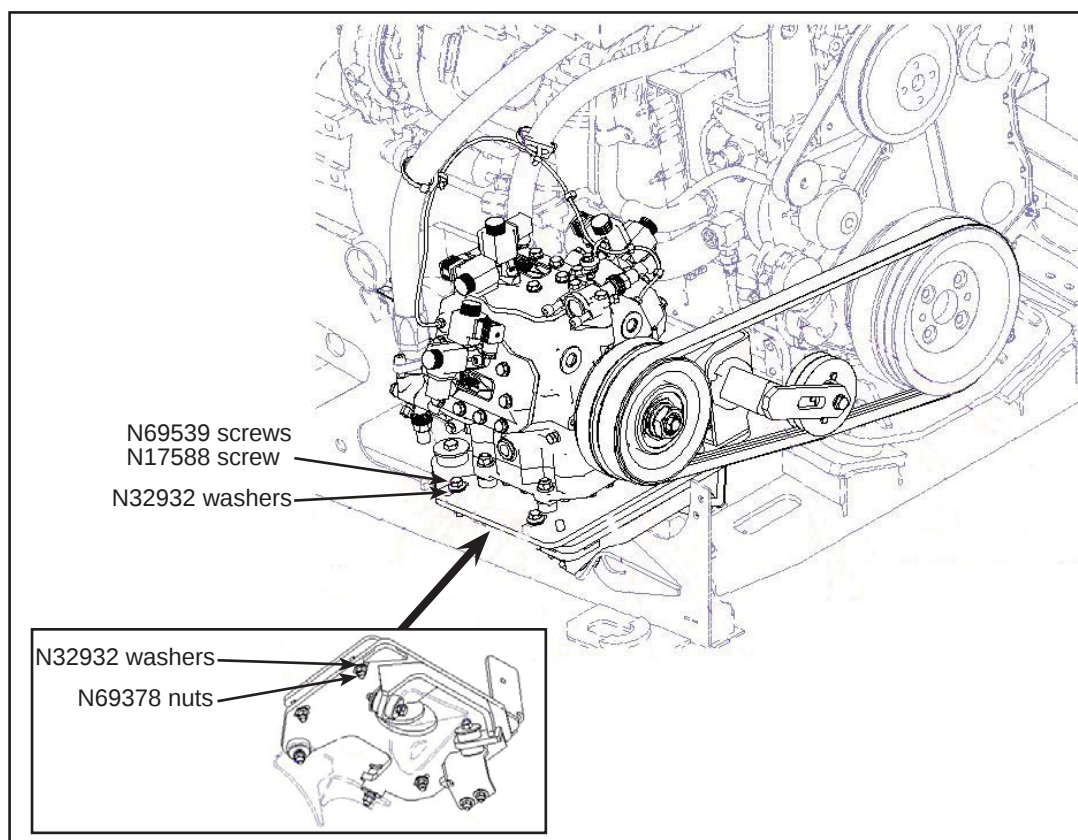


Figure 5 - New Hardware Location

- 1.9. Install the new N78162 compressor belt in accordance with section 14: **HEATING AND VENTILATION** in the Nova Bus maintenance manual.
- 1.10. Align the compressor belt in accordance with section 14: **HEATING AND VENTILATION** in the Nova Bus maintenance manual.
- 1.11. Tension the compressor belt in accordance with section 14: **HEATING AND VENTILATION** in the Nova Bus maintenance manual.

**NOTE**

Disregard the belt tension value in the maintenance manual. Apply a tension value of 220 ±5 lb (980 ±22 N) to the compressor belt.

Disregard the compressor plate hardware torque value in the maintenance manual. Apply a torque value of 89 lb-ft (120 N•m) to the compressor plate screws.

- 1.12. Close the rear engine access door.
- 1.13. Start the engine and let it run for 30 minutes.
- 1.14. Open the rear engine access door.
- 1.15. Re-tension the compressor belt in accordance with section 14: **HEATING AND VENTILATION** in the Nova Bus maintenance manual.

**NOTE**

Disregard the belt tension value in the maintenance manual. Apply a re-tension value of 200 lb (890 N) to the compressor belt.

Disregard the compressor plate hardware torque value in the maintenance manual. Apply a torque value of 89 lb-ft (120 N•m) to the compressor plate screws.

- 1.16. Close the rear engine access door.
- 1.17. The vehicle may be returned to service.

**NOTE**

At the next scheduled service at 3,000 or 6,000 miles (5,000 or 10,000 km), re-tension the belt to 190 lb (845 N) and apply a torque value of 89 lb-ft (120 N•m) to the compressor plate screws.