

REFERENCE:	Nova Bus Manuals
SECTION:	08: Braking system
RS N°:	MQR 7621-534
EFFECTIVE IN PROD.:	—

APPLICATION DEADLINE:NA

SUBJECT:	Rear axle brake system
JUSTIFICATION:	Irregular vehicle movement at very low speed

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Remove the rear axle brake drift valve	Client	Client	45 min
2	—	—	—	—

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	0444626	—	Plug M-NPT-3/8	—
2	12010300	—	Cavity plug metri pack	—
1	15300002	—	2-pin connector Metri pack	—
20 in.	8861149	—	Tubing ½ in. diameter green color	—
2	N21529	—	Elbow 45 NTA-8, NPT-M-6	—
LEVEL 2				
—	—	—	—	—

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	2014-AL15	Initial release	Wilder Galiano

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
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. Locate the drift valve enclosure.
- 1.2. Remove the enclosure cover. Retain the hardware.

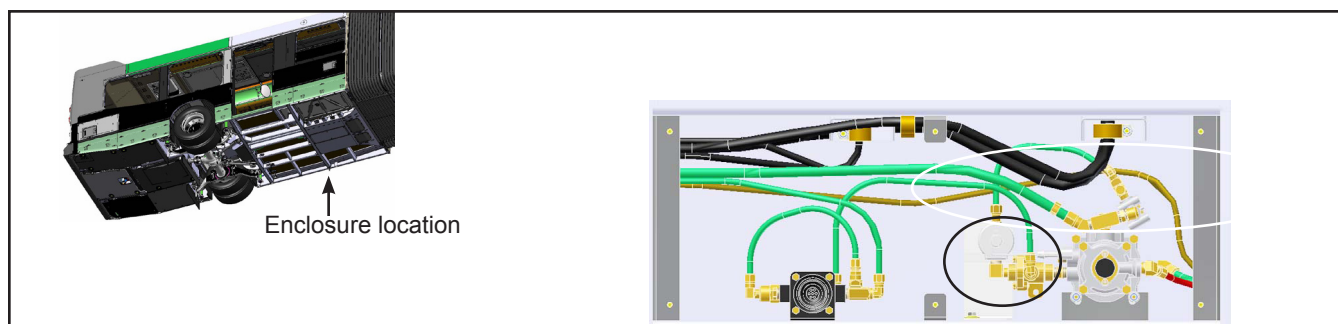


Figure 1 - Enclosure Location

- 1.3. Disengage the drift valve electric connector.
- 1.4. Install the 12010300 cavity plug into the 15300002 2-pin connector.
- 1.5. Install the 15300002 connector into the female harness connector.

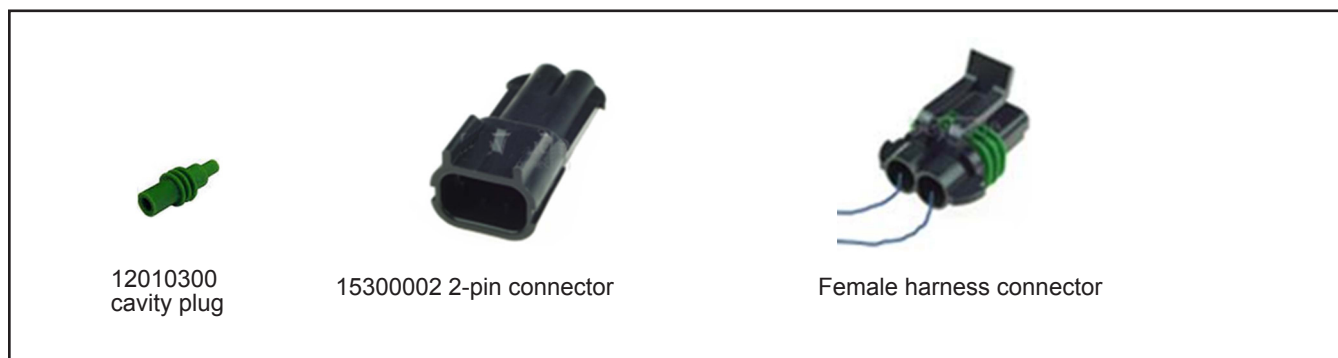


Figure 2 - Harness Connector Weather Protection

- 1.6. Disconnect the air hoses connected to the drift valve and double relay valve.
- 1.7. Discard the hoses shown in Figure 3.

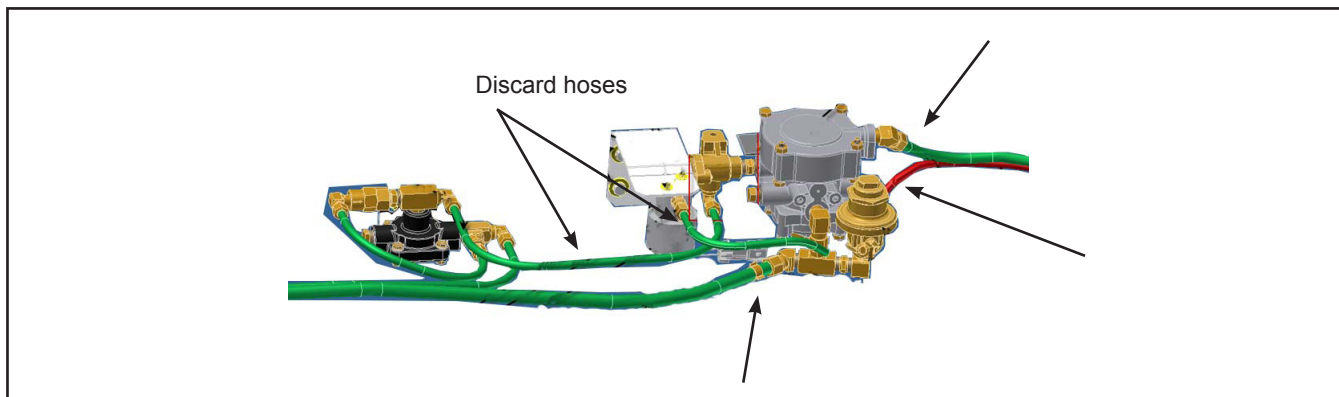


Figure 3 - Hoses to be Disconnected

- 1.8. Remove the bolts holding the double relay valve. Retain the hardware.
- 1.9. Remove the bolts holding the drift valve. Take out the assembly from the enclosure. Reinstall the hardware.

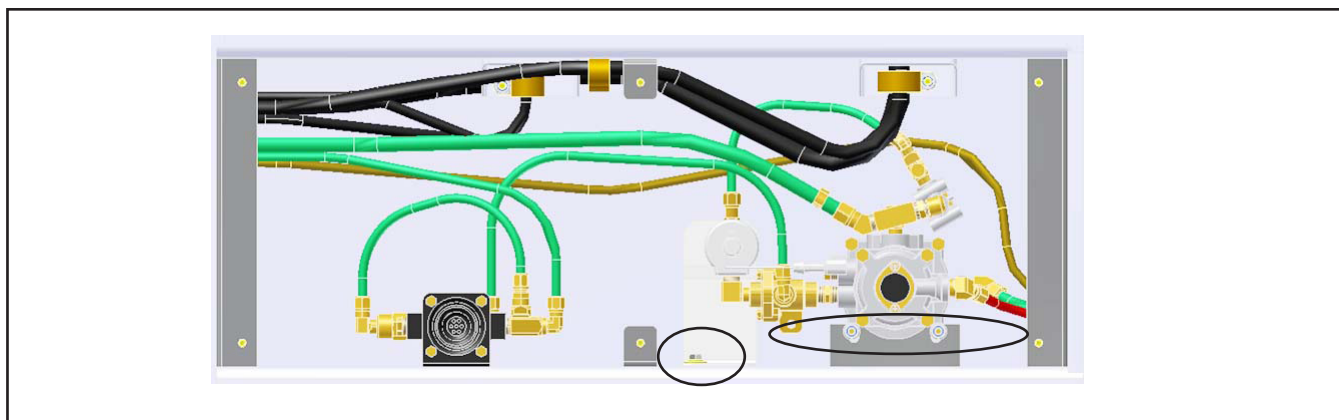


Figure 4 - Valve Assembly Removal

1.10. Remove the valve from the T connector.

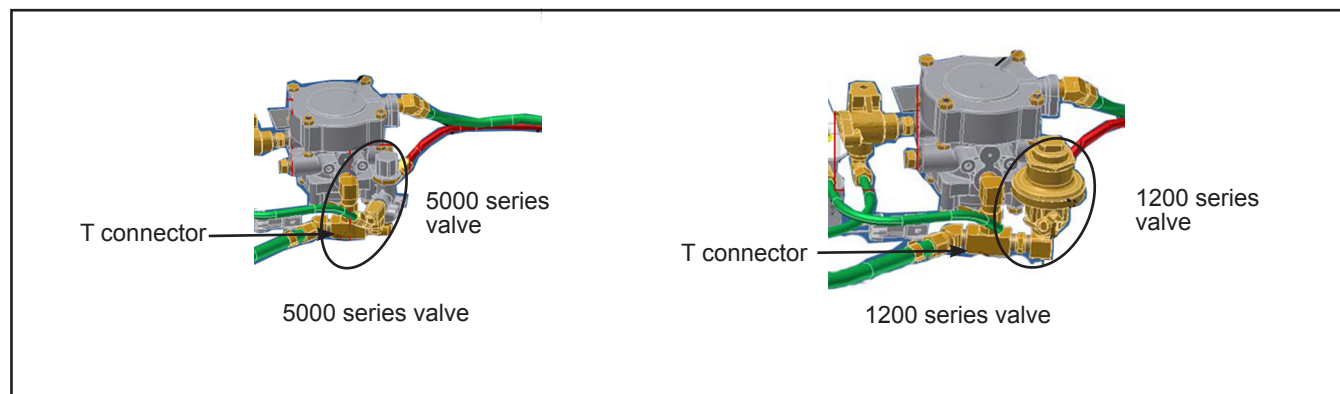


Figure 5 - Remove 1200 or 5000 Series Valve

1.11. Disassemble the drift valve from the double relay valve.

1.12. Discard the drift valve.

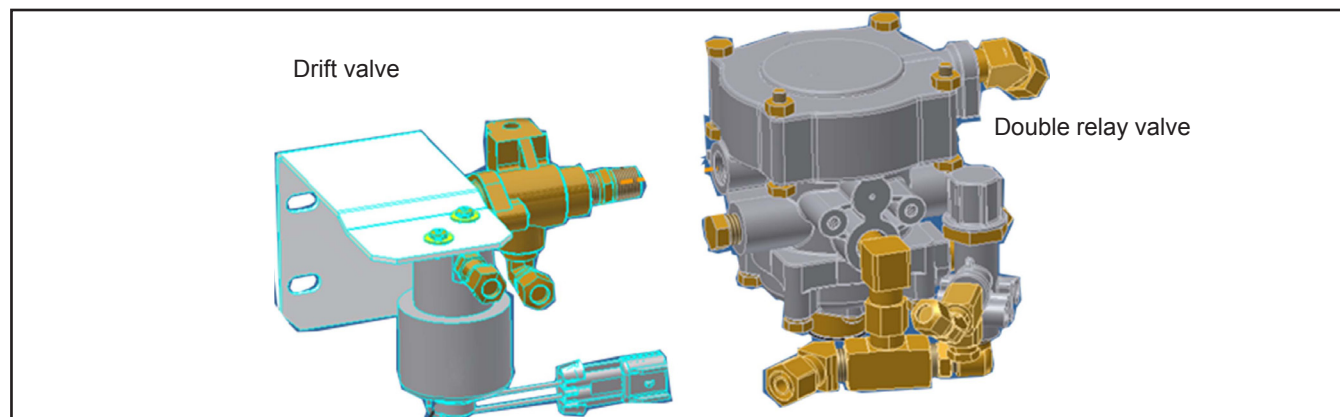


Figure 6 - Remove the Drift Valve

- 1.13. Install and tighten a 0444626 plug connector to the T connector.
- 1.14. Install a new N21529 connector to the double relay valve.
- 1.15. Install a new N21529 connector to the existing assembly.

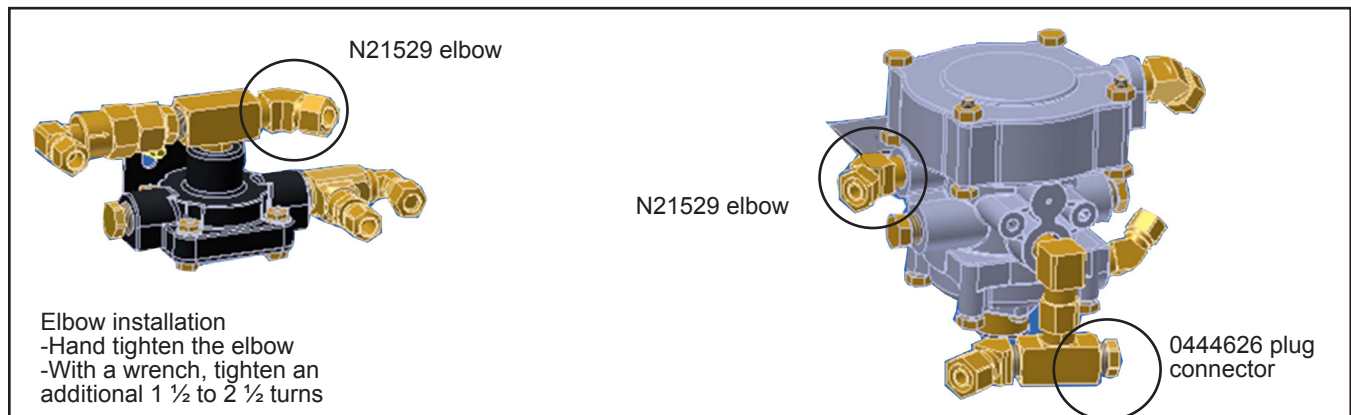


Figure 7 - Fittings Installation

- 1.16. Install the dual relay valve with the retained hardware in the enclosure.
- 1.17. Connect the three existing air hoses.

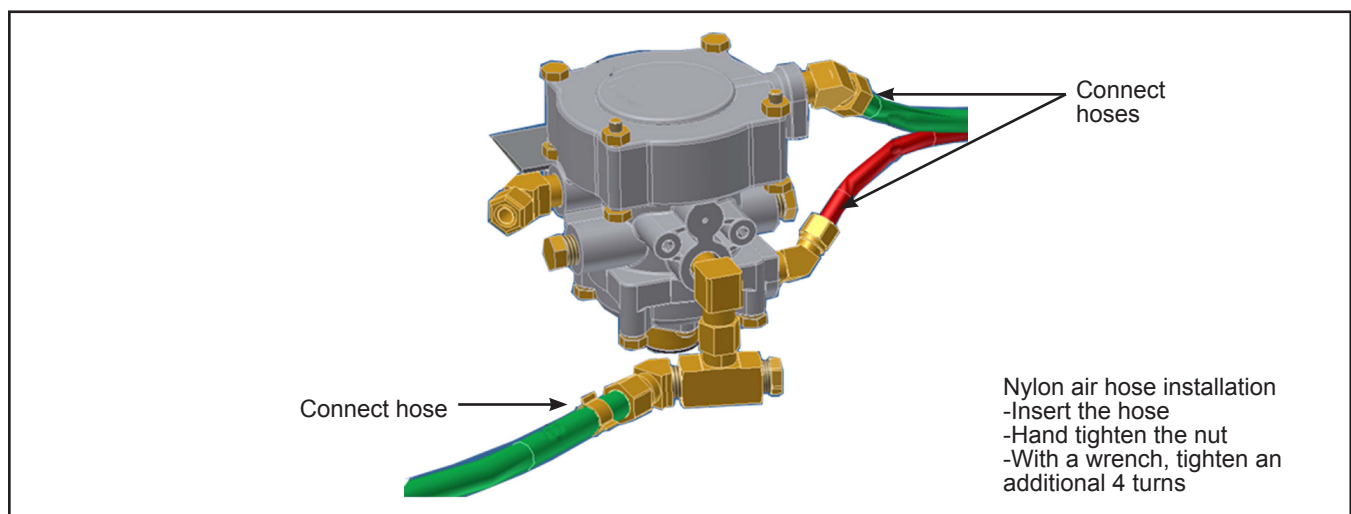


Figure 8 - Hoses Installation

- 1.18. Cut to size the 8861149 air hose that connects the next assembly to the double relay valve.
- 1.19. Connect the air hose.

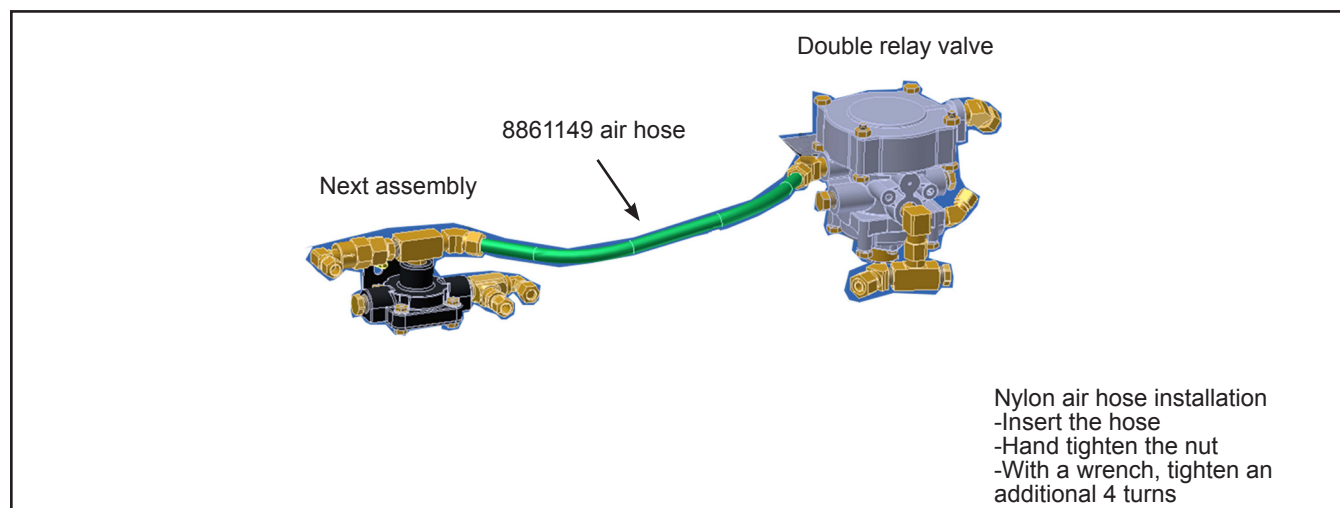


Figure 9 - New 8861149 Hose Installation

- 1.20. Test for any air leaks in the air hose installation before closing the compartment. Fix any air leaks.
- 1.21. Reinstall the enclosure cover with the retained hardware.❖