

REFERENCE:	Nova Bus Manuals
SECTION:	08: Pneumatic system
RS N°:	MQR N/A
EFFECTIVE IN PROD.:	NA

APPLICATION DEADLINE: N/A

SUBJECT:	Air regulator.
JUSTIFICATION:	Obsolete part replacement (G5009279).

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Installation of new pressure regulator for interlock retarder.	Client	Client	0.75 hr
2	-	-	-	-

MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
1	N60142	-	Valve Pressure Regulator
1	0444620	-	Plug
1	0444040	-	Elbow 90°
1	0443990	-	Nipple
1	0444148	-	Tee
1	0696472	-	Elbow 45°
LEVEL 2			
-	-	-	-

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.

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	20210C28	Initial release	Devanand

APPROVED BY:

Jean-Nicolas Fournier

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email=jean-nicolas.fournier@volvo.com, c=CA
Date: 2021.10.28 14:27:41 -04'00'

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Halifax - Nova Scotia	L558	717	731	S92UXA3000293	S92U6A3000307	15
New York City Transit - New York	L545	1202	1289	S92U5A4000001	S92U0A4000098	88
Saskatoon - Saskatchewan	L551	1005	1007	S92UXA3000178	S92U8A3000180	3
York Regional Transit - Ontario	L562	1080	1082	S92U2A3000420	S92U6A3000422	3

**WARNING**

Follow your internal safety procedures.

PROCEDURE

- 1.1. Park the vehicle on an even surface with transmission on neutral (N).
- 1.2. Apply the parking brake.
- 1.3. Set the master control switch to the STOP position (see figure 1).

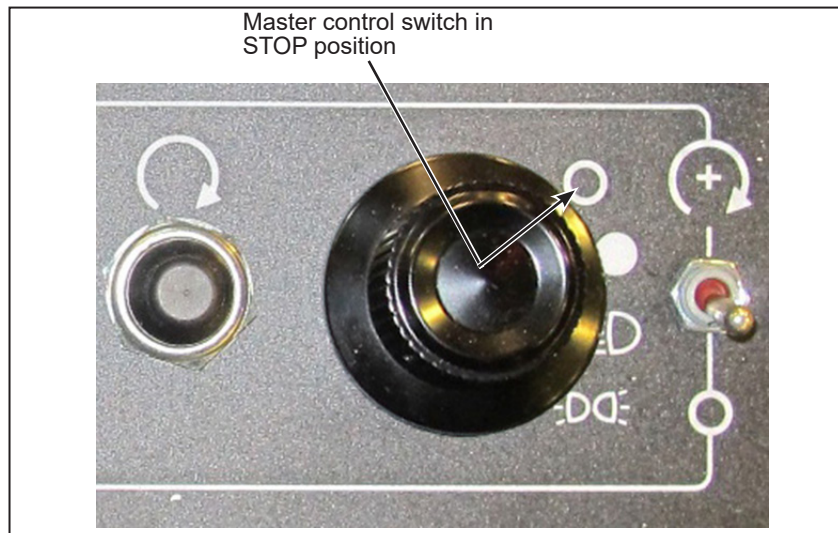


Figure 1 - Master Control Switch in STOP Position

- 1.4. Set the battery disconnect switch in the battery compartment to the OFF position (see figure 2).

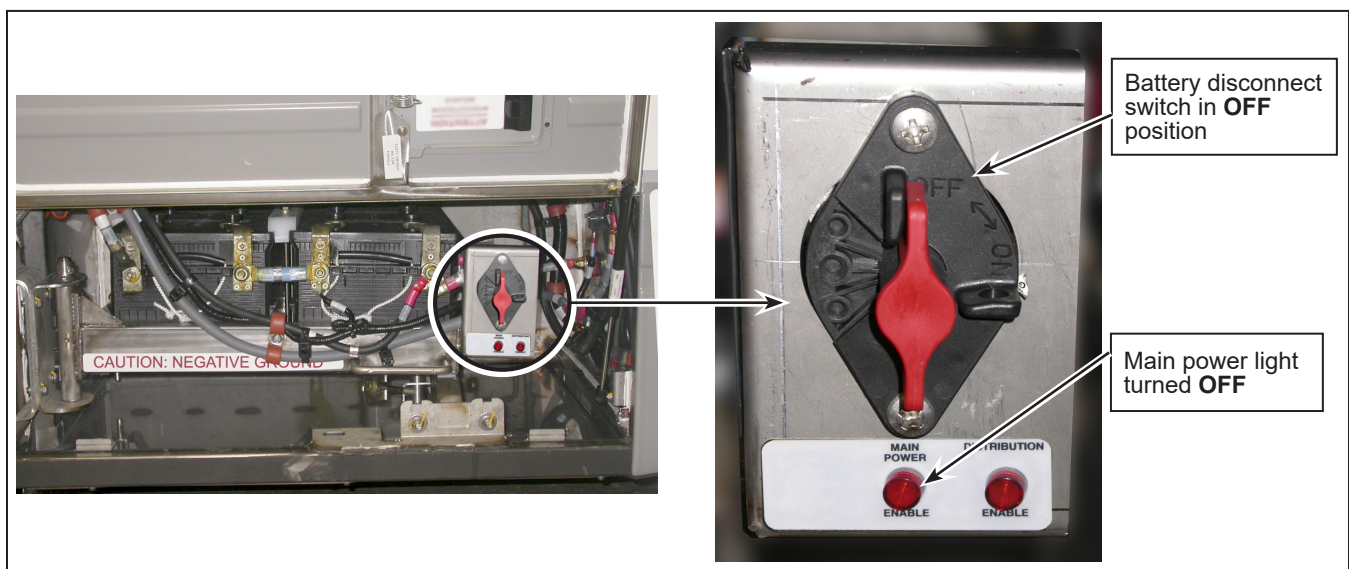
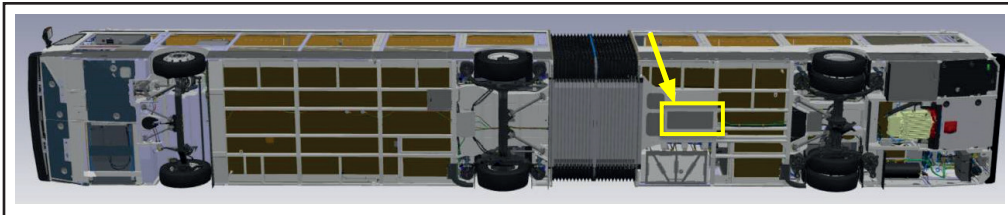


Figure 2 - View of Battery Disconnect Switch

**NOTE**

For information on hoisting and towing of the vehicle, see section 18: HOISTING AND TOWING in the Nova Bus maintenance manual. Respect your internal safety procedures. Use appropriate hoisting equipment for your protection.

- 1.5. Raise the vehicle to access the panel.

**WARNING**

Remove air pressure from the system completely before disconnecting any component. Air under pressure can cause serious bodily injuries. For more information about the air supply system, see your maintenance manual section 08: Air Supply System.

- 1.6. Drain the pneumatic system by opening the drain valves near the entrance door operator (close the valves after).
- 1.7. Open the access panel under the bus.
- 1.8. Disconnect the pneumatic hose connected to the air regulator (see figure 3).

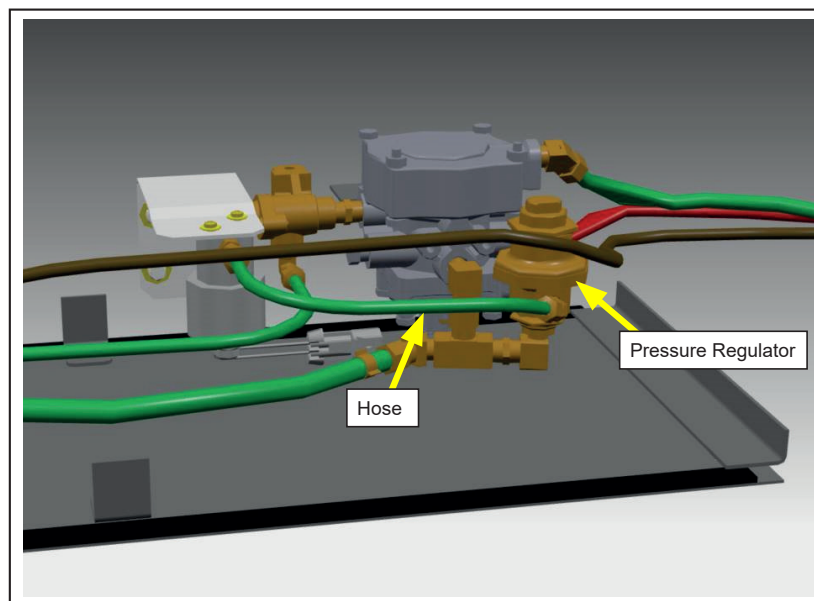


Figure 3 - Location of Pressure Regulator

- 1.9. Remove old pressure regulator P/N G5009279, elbow 45° P/N 0696472, elbow 90° P/N 0444042 and nipple P/N N44196 (see figure 4).

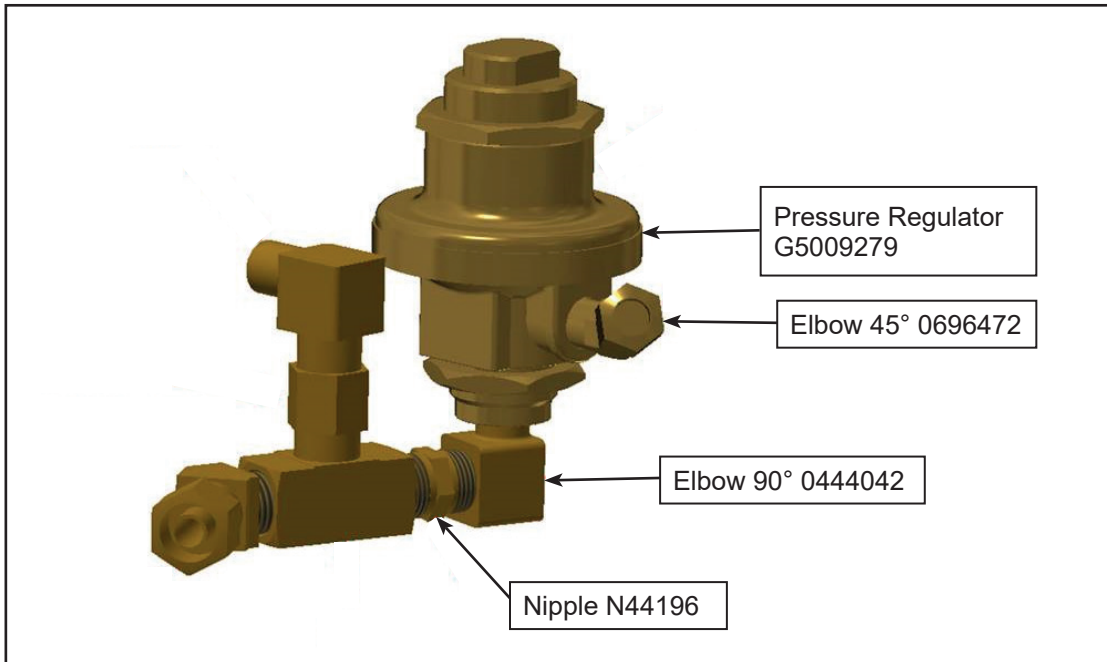


Figure 4 - Removal of Old Pressure Regulator

- 1.10. Elbow 90° P/N 0444042, adapter P/N 0444002, tee P/N 0444136 and elbow 45° P/N N38332 to remain installed (see figure 5).

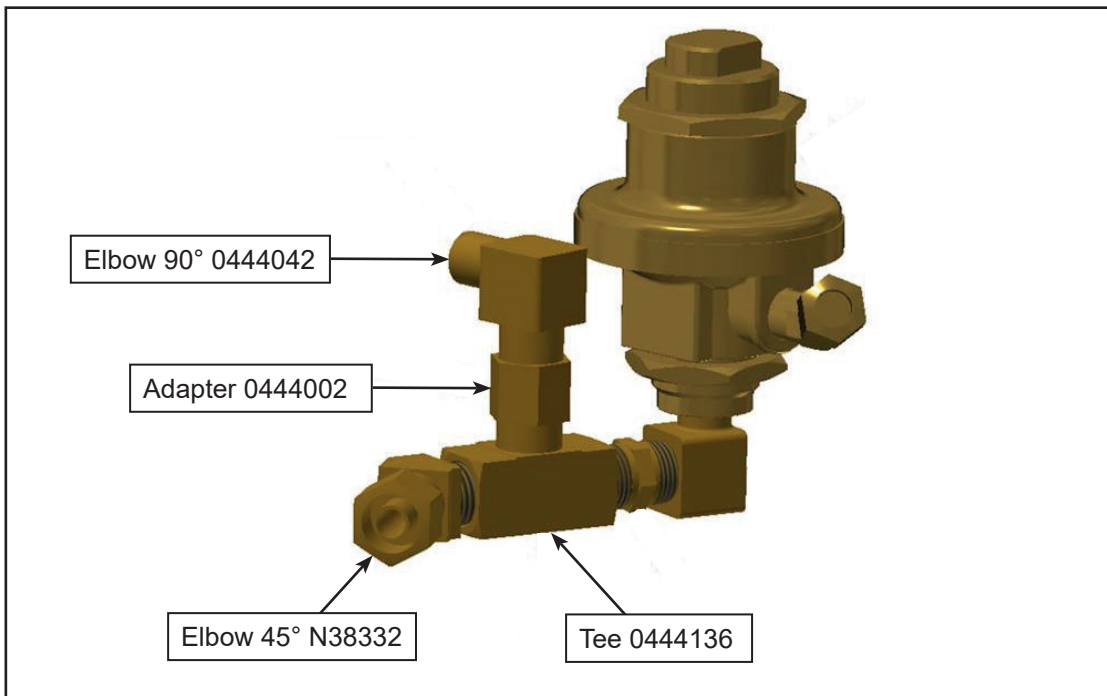


Figure 5 - Retain the Connectors

- 1.11. Install elbow 90° P/N 0444040, nipple P/N 0443990 on existing tee P/N 0444136 (see figure 6).

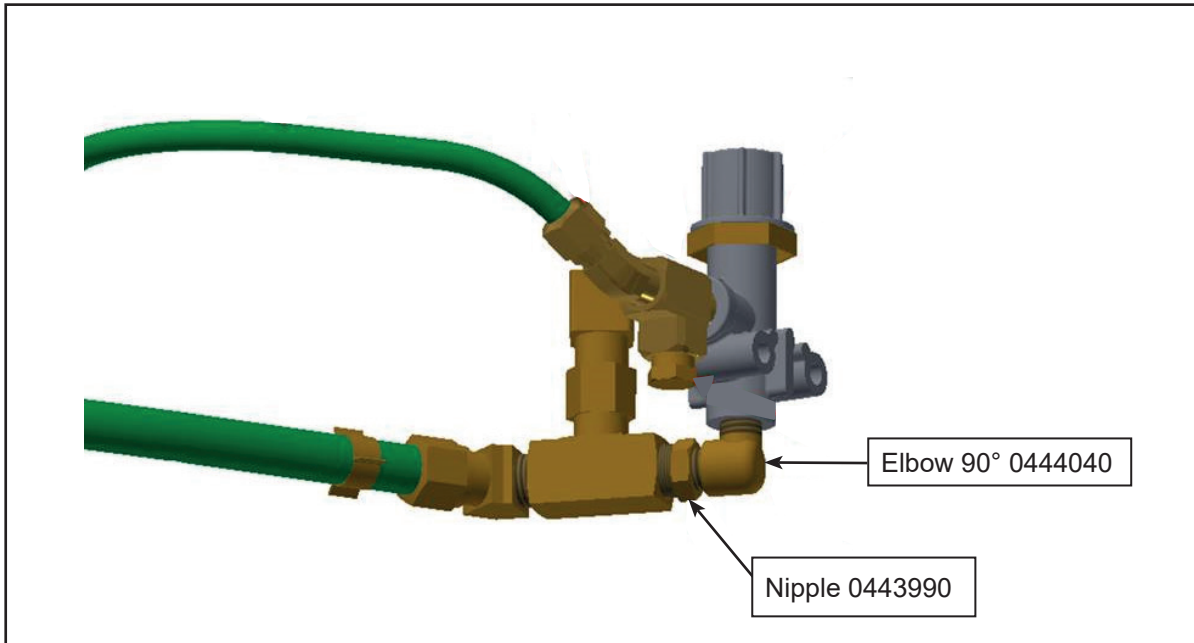


Figure 6 - Installation of Elbow and Nipple

- 1.12. Install new valve pressure regulator P/N N60142 on to elbow P/N 0444040, then install tee P/N 0444148 and elbow 45° P/N 0696472 (see figure 7).

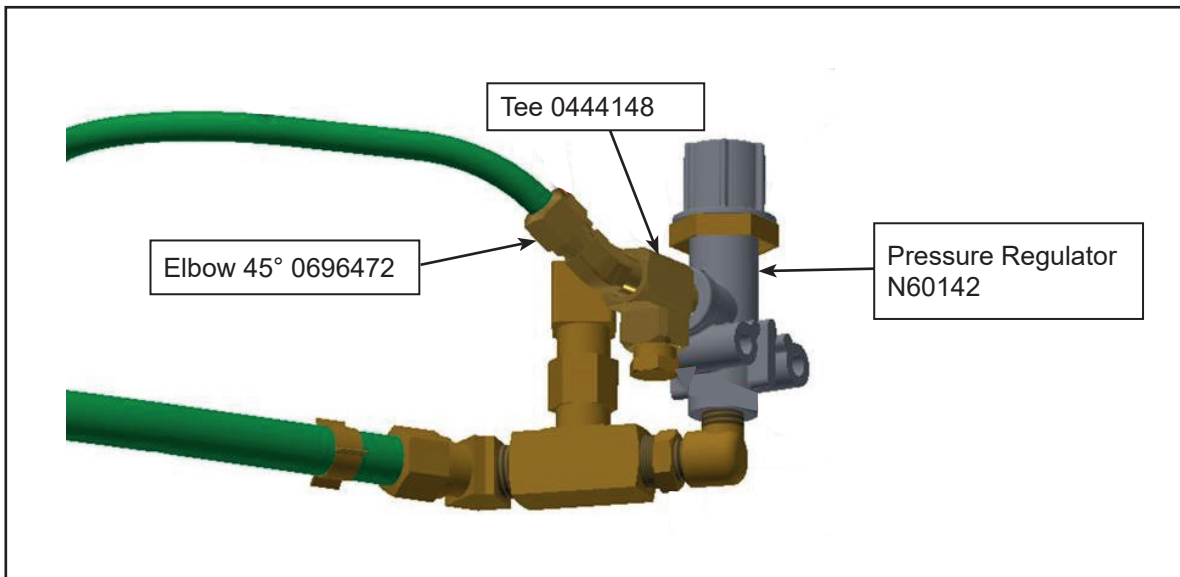


Figure 7 - Installation of New Pressure Regulator

- 1.13. Install plug P/N 0444620 on tee connector (see figure 8).

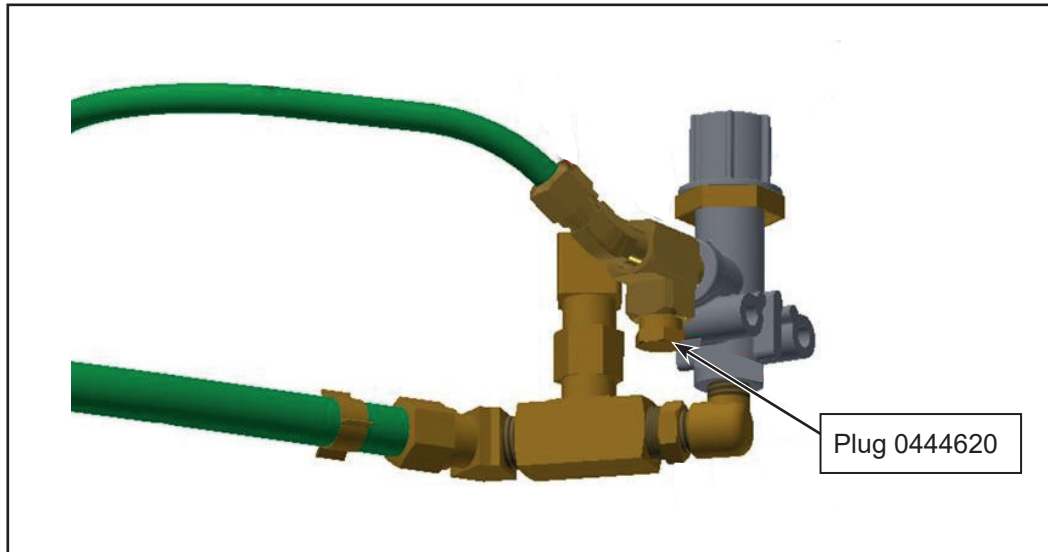


Figure 8 - Installation of Plug

- 1.14. Reroute the tube P/N 8861140 on elbow 45° (see figure 9)

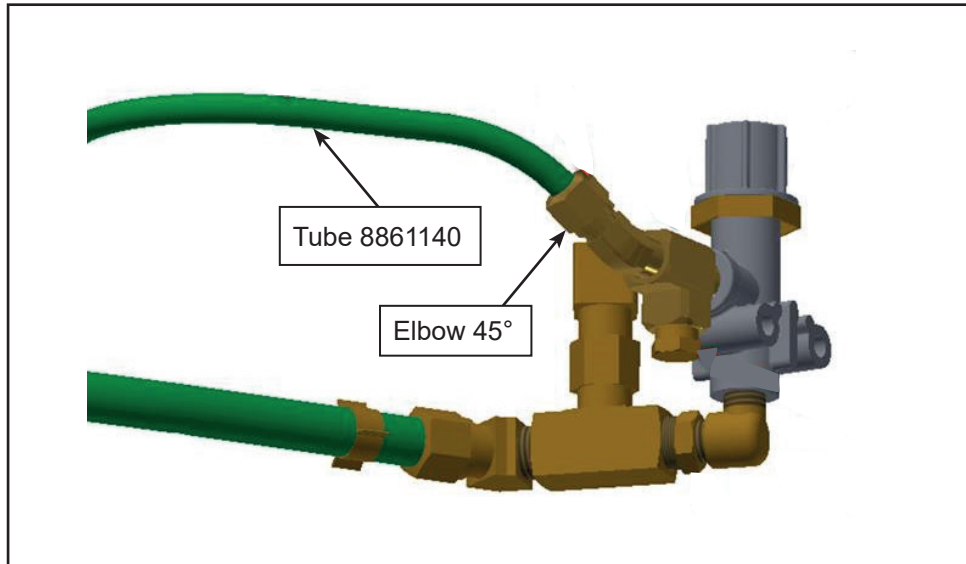


Figure 9 - Rerouting the Tube



Figure 10 - Final Installation of Pressure Regulator

- 1.15. Pressurize the air system and make sure there is no leakage from the new installation.
- 1.16. Close the access panel.
- 1.17. Lower the vehicle.
- 1.18. Set the battery disconnect switch in the battery compartment to the **ON** position.
- 1.19. Return the bus to service.❖