

REFERENCE:	Nova Bus Manuals
SECTION:	09: Engine and cooling, hydraulic system
RS N°:	MQR 7621-504
EFFECTIVE IN PROD.:	—

APPLICATION DEADLINE: 2015JL30  
CLAIM REFERENCE NUMBER: WB-3139

SUBJECT:	Hydraulic manifold block
JUSTIFICATION:	Possible hydraulic manifold leakage.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replace the O-rings on the cartridge valve, solenoid valve and the proportional pressure relief valve and tighten to the torque specified in this document.	Nova Bus	Nova Bus	40 min
2	—	—	—	—

**MATERIAL**

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>				
1	N8901647	—	Cartridge O-ring	—
1	N8901648	—	Solenoid valve O-ring	—
1	N8901649	—	Proportional pressure relief valve O-ring	—
—	—	—	—	—
<b>LEVEL 2</b>				
Materials will be available within 14 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 <a href="mailto:prevostparts.commandes@volvo.com">prevostparts.commandes@volvo.com</a> . 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	2014AL30	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	L608	8000	8014	L82U6B4000047	L82U0B4000061	15
New York City Transit - New York	L620	8015	8074	L82U2B4000062	L82U7B4000123	60
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 hydraulic manifold block in the engine compartment.

Drain the hydraulic fluid; see section 09: HYDRAULIC SYSTEM under the drain procedure heading in the Nova Bus maintenance manual. Hydraulic block fluid can be drained locally by unplugging a hose from the hydraulic block or a side plug. Retain the hydraulic fluid in an appropriate clean container for reused.

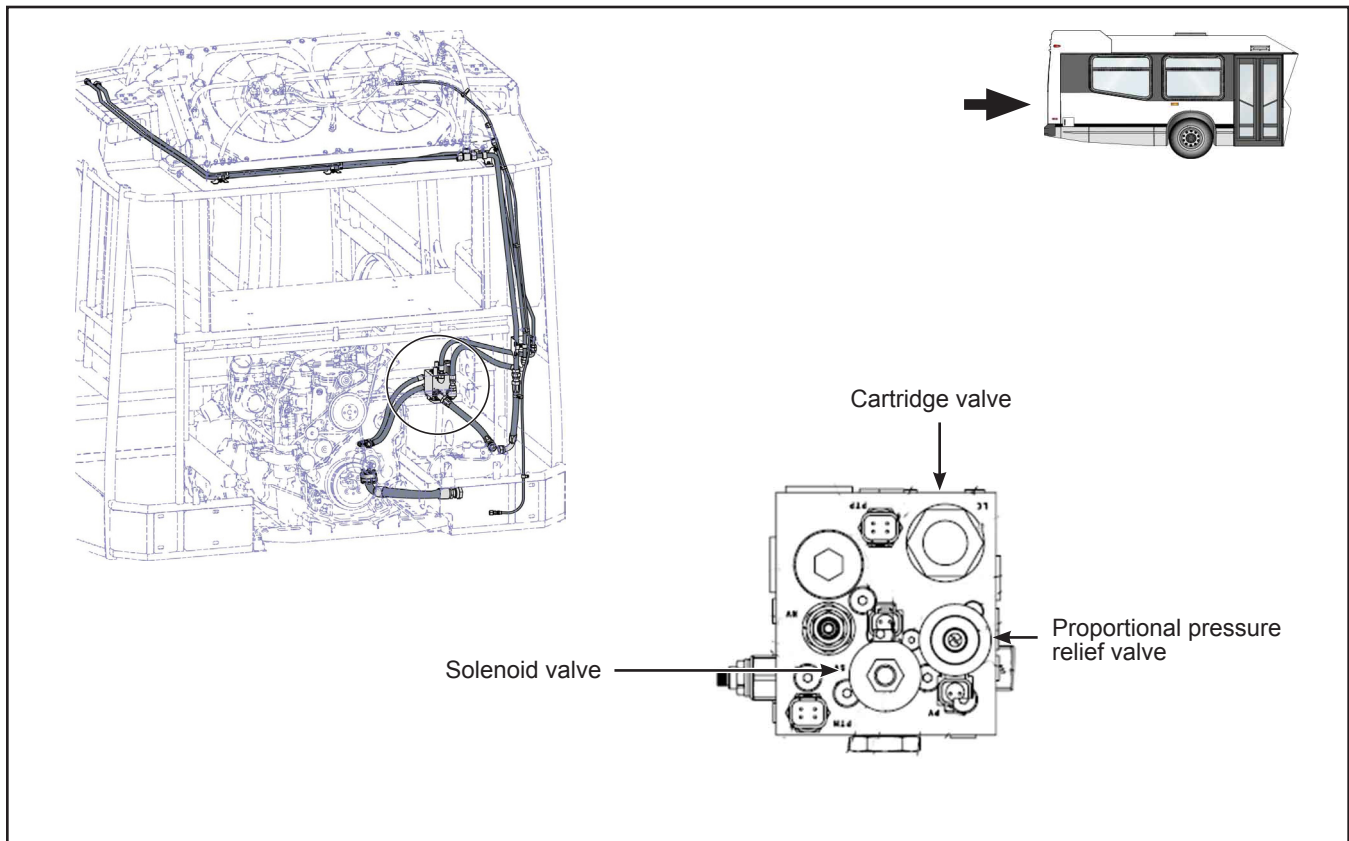
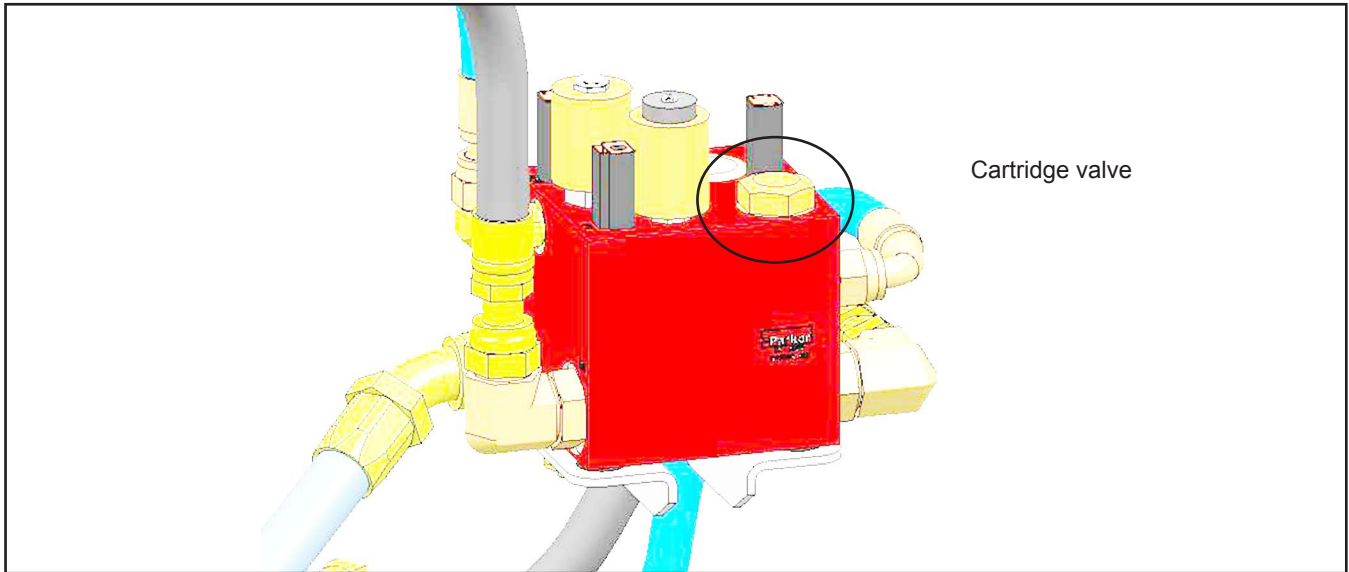


Figure 1 - Hydraulic Manifold Block Location

**CARTRIDGE VALVE**

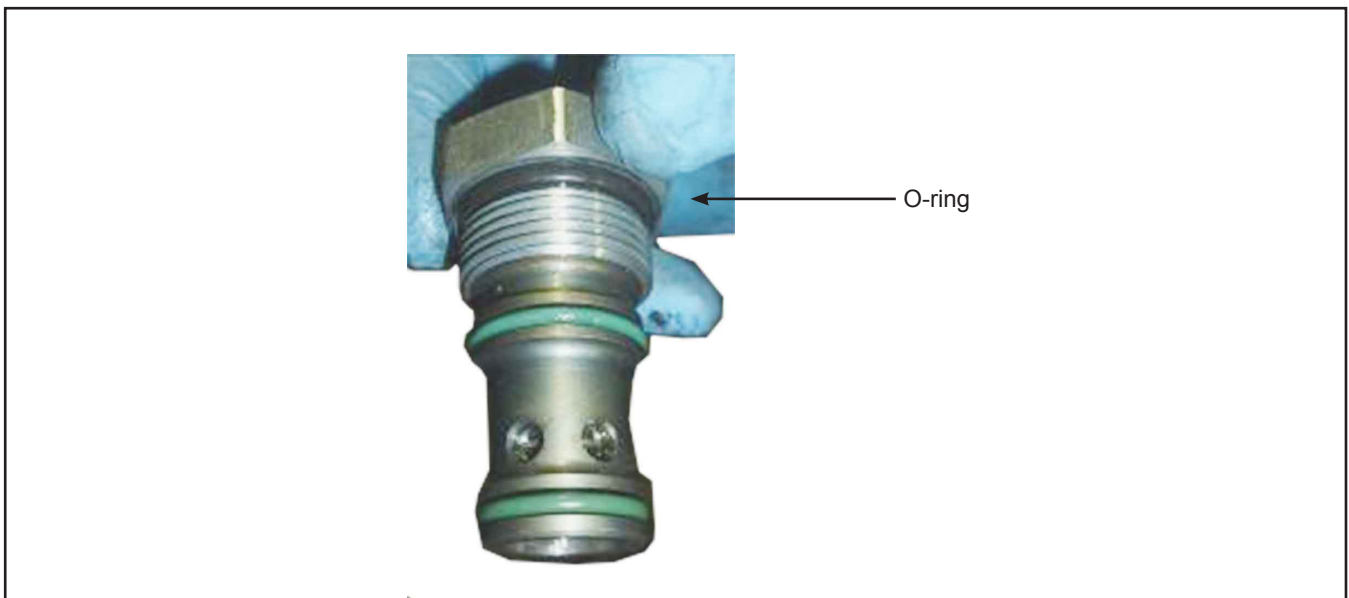
1.2. Remove the cartridge valve.



*Figure 2 - Cartridge Valve Location*

1.3. Replace the O-ring.

1.4. Install the cartridge valve.



*Figure 3 - Hydraulic Manifold Cartridge Valve Location*

- 1.5. Tighten the cartridge valve to the specified torque. See Figure 4.

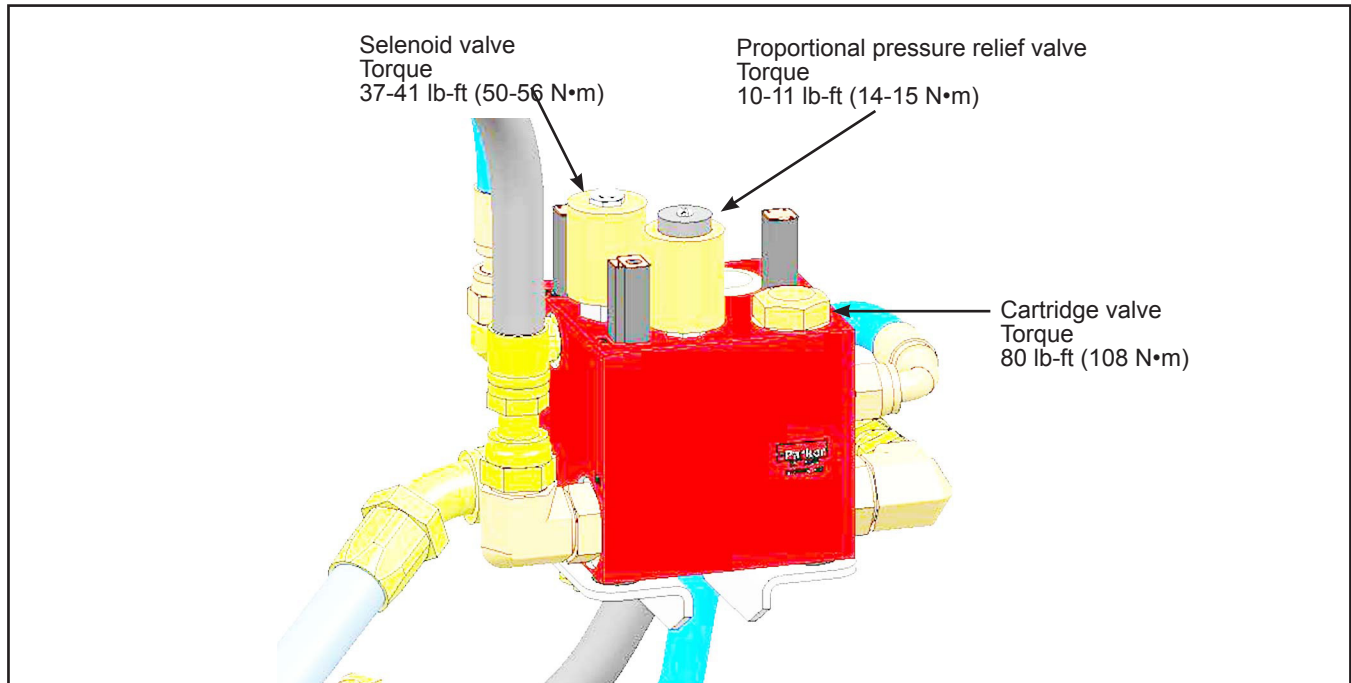


Figure 4 - Valves Torques

#### SOLENOID VALVE

- 1.6. Remove the solenoid valve.

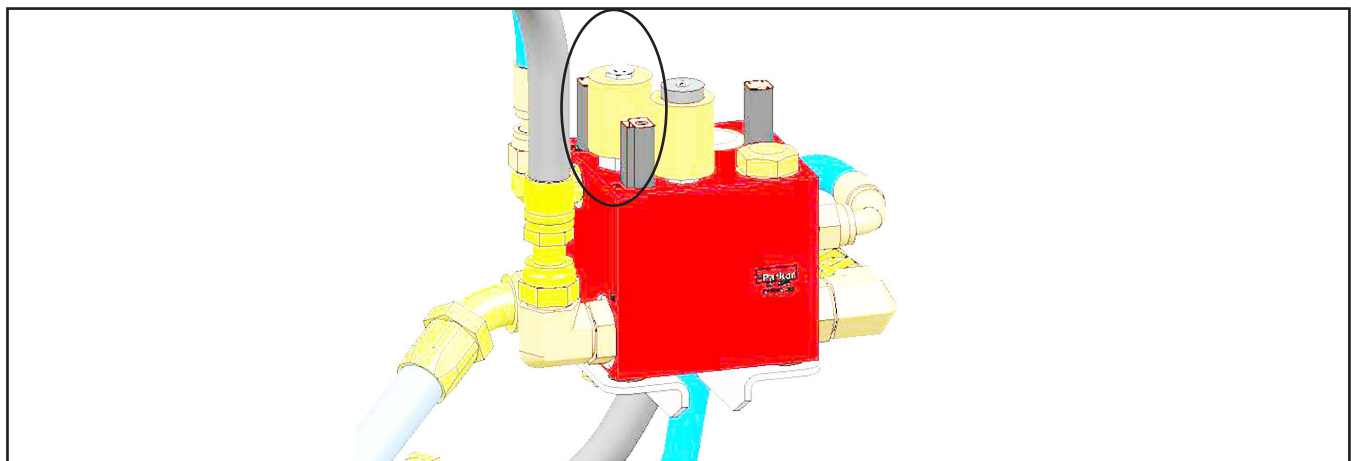
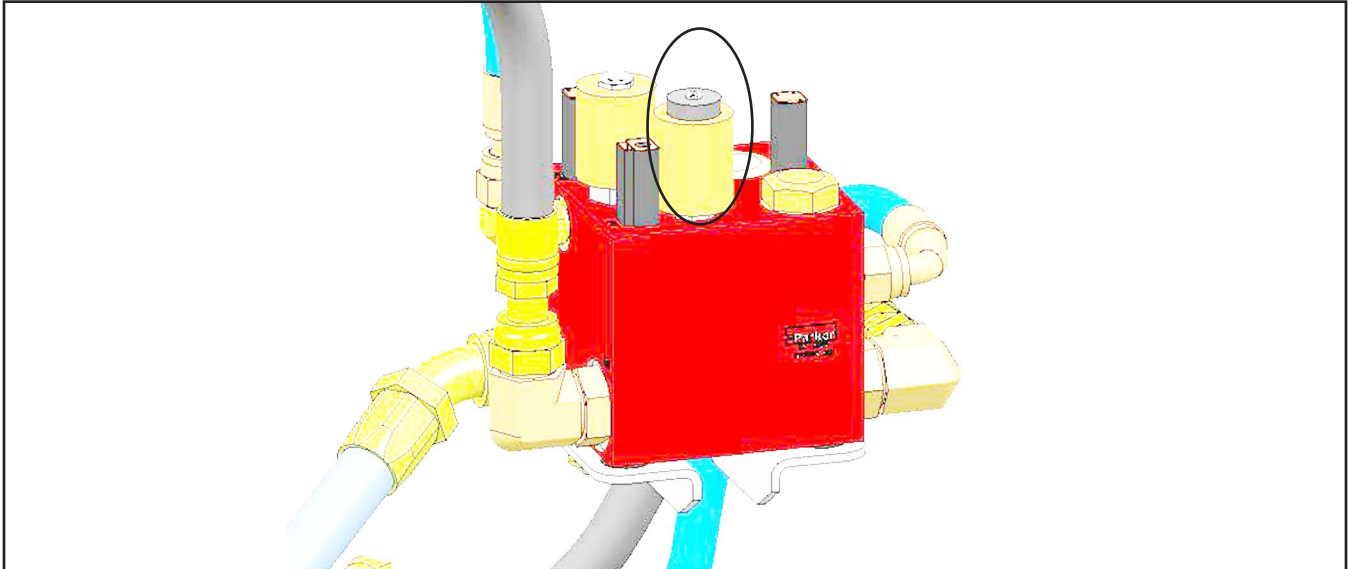


Figure 5 - Solenoid Valve Location

- 1.7. Replace the O-ring.  
1.8. Install the solenoid valve.  
1.9. Tighten the solenoid valve to the specified torque. See Figure 4.

**PROPORTIONAL PRESSURE RELIEF VALVE**

- 1.10. Remove the pressure relief valve.
- 1.11. Replace the O-ring.
- 1.12. Install the pressure relief valve.
- 1.13. Tighten the pressure relief valve to the specified torque. See Figure 4.



*Figure 6 - Proportional Pressure Relief Valve Location*

- 1.14. Fill the hydraulic fluid, see filling procedure in section 09: Hydraulic system in the Nova Bus maintenance manual. Reuse the clean retained hydraulic fluid.
- 1.15. The vehicle can be returned to service. ❖