NOVA BUS **SERVICE BULLETIN** **BS1878ER1**

REFERENCE:	Nova Bus Manuals
SECTION:	18 Articulation system
RS Nº:	MQR 7621-285
EFFECTIVE IN PROD.:	L670 (2011NO)

APPLICATION DEADLINE:
2014FE22

SUBJECT:	Articulation system of the 60-ft vehicle
JUSTIFICATION:	Water can infiltrate inside certain damping cylinder connectors, which could cause corrosion inside the connector.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	At the next inspection beneath the articulation floor, modify the position of the connectors.	Nova Bus	Nova Bus	18 min
2	–	–	–	–

MATERIAL

QTY	PART Nº	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
–	–	–	–	–
LEVEL 2				
–	–	–	–	–

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	–
	–	–	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2012SE07	Initial release	Danielle Lacroix
R1	2013FE20	L562 and L572 were added to the client list.	Danielle Lacroix

APPROVED BY: Karine Allonce

Digitally signed by Karine Allonce
DN: cn=Karine Allonce, o=Novabus, ou, email=karine.allonce@volvo.com, c=CA
Date: 2013.02.22 08:37:46 -05'00'

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Connecticut Transit - Connecticut	L554	1041	1065	S92U1A4000139	S92U0A4000164	25
Connecticut Transit - Connecticut	L571	1066	1075	S92YXB4000144	S92Y4B4000169	10
Demo - Articulated Bus	L433	—	—	S92UX93000029	S92UX93000029	1
Demo - Articulated Bus APTA US	L359	—	—	S92U583000289	S92U583000289	1
Duke University - North Carolina	L651	—	—	S92Y1B4000145	S92Y3B4000146	2
Halifax - Nova Scotia	L558	717	731	S92UXA3000293	S92U6A3000307	15
Halifax - Nova Scotia	L613	732	741	S92UXB3000019	S92UXB3000028	10
Marketing Sales Demo - MSD 3	L617	—	—	S92U5C4500002	S92U5C4500002	1
Marketing Sales Demo - MSD 4	L568	—	—	S92U9B3000013	S92U9B3000013	1
Marketing Sales Demo - MSD 4	L618	—	—	S92U1C3000377	S92U1C3000377	1
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	8090	8090	S92U1B4000143	S92U1B4000143	1
Saskatoon - Saskatchewan	L551	1005	1007	S92UXA3000178	S92U8A3000180	3
St. John - New Brunswick	L272	—	—	S92U483000011	S92U483000011	1
St. John - New Brunswick	L273	—	—	S92U383000050	S92U383000050	1
University of Colorado - Colorado	L427	—	—	S92U693000027	S92U693000027	1
University of Colorado - Colorado	L428	—	—	S92U893000028	S92U893000028	1
University of Colorado - Colorado	L627	—	—	S92UXB4000139	S92U6B4000140	2
York Regional Transit - Ontario	L562	1080	1082	S92U2A3000420	S92U6A3000422	3
York Regional Transit - Ontario	L572	1083	1094	S92U3A3000569	S92U2A3000580	12

WARNING

Follow your internal safety procedures.

PROCEDURE

1.1. Disconnect one of the damping cylinder connector to rotate by loosening the retaining screw. See Figure 1.

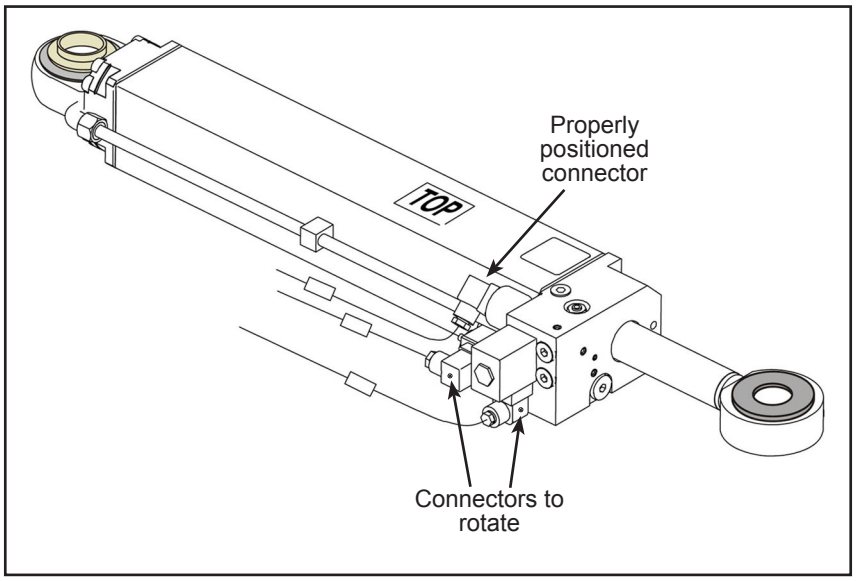

Figure 1 - Curbside Damping Cylinder, Location of the Connectors

1.2. Unlock the locking ring, and using a screwdriver, push the plug out of the connector. See Figure 2.
1.3. Gently pull on the plug, ensuring that the cable moves freely. See Figure 3.

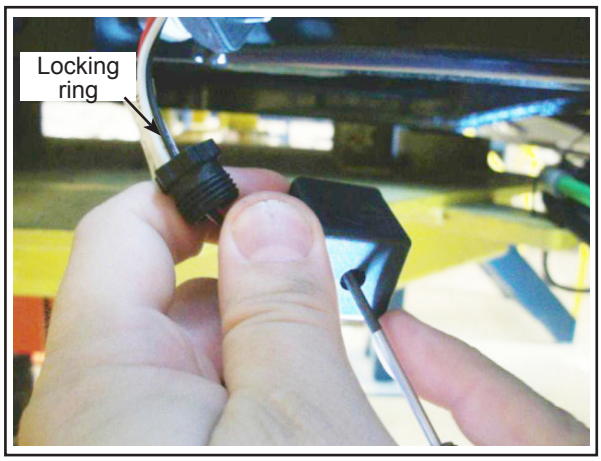

Figure 2 - Releasing the Plug

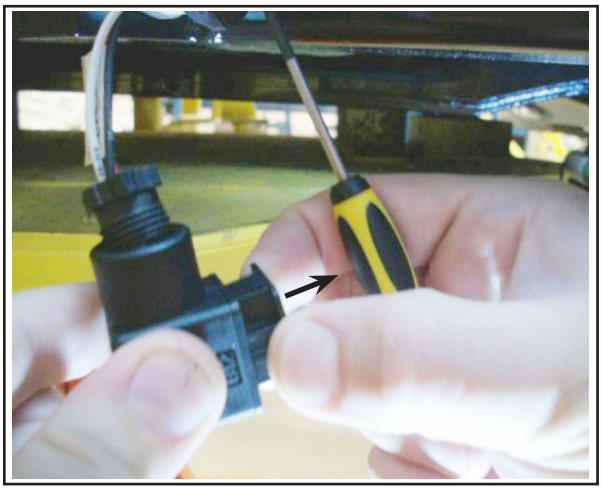

Figure 3 - Removing the Plug

1.4. Rotate the plug in the manner illustrated in Figure 4, in order to create the angle indicated in Figure 5.
1.5. Replace the plug inside its housing.
1.6. Retighten the locking ring.
1.7. Reinstall the connector in place.

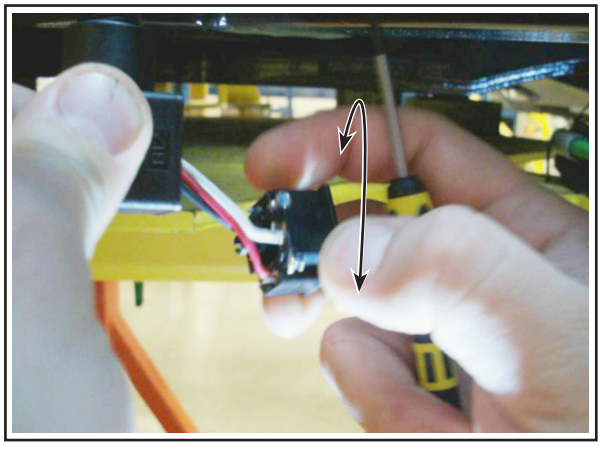

Figure 4 - Rotate the Plug

Figure 5 - Curbside Damping Cylinder, Showing Revised Position of the Connectors

1.8. Ensure that the cable is placed in such a way that water does not leak into the connector. See Figure 6.

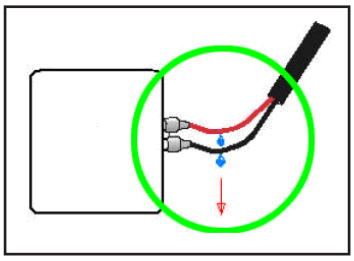

Figure 6 - Correct Cable Position

1.9. Repeat steps 1.1 to 1.8 for the other curbside connector.

1.10. Repeat steps 1.1 to 1.8 for the connectors located on the streetside damping cylinder. Use Figures 7 and 8 as a reference for the adjustment.

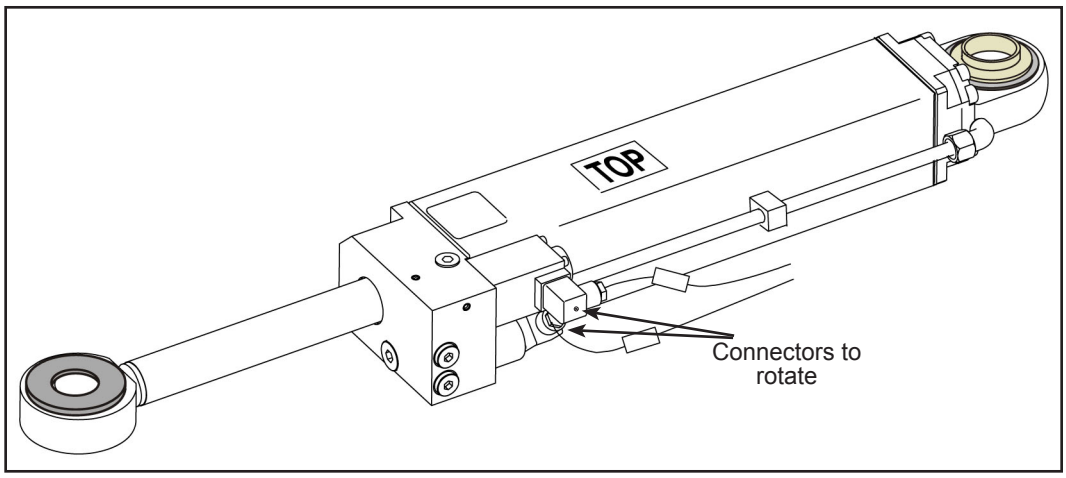

Figure 7 - Street side Damping Cylinder, Location of the Connectors

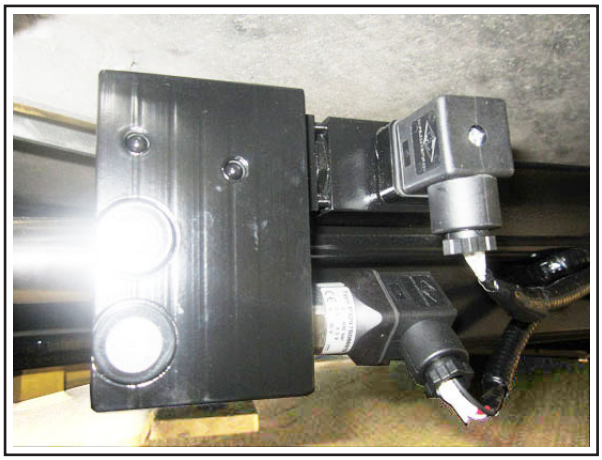

Figure 8- Streetside Damping Cylinder, Showing Revised Position of the Connectors

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