

<b>REFERENCE:</b>	Nova Bus Manuals
<b>SECTION:</b>	18: Articulation system
<b>RS N°:</b>	MQR 7621-730
<b>EFFECTIVE IN PROD.:</b>	L847 (2014DE)

**APPLICATION DEADLINE:** 2016DE11  
**CLAIM REFERENCE NUMBER:** WB-3465

<b>SUBJECT:</b>	Articulation ACU and solenoid
<b>JUSTIFICATION:</b>	Articulation solenoid circuit may cause an error code in ACU

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install wire kit N632000388 equipped with a free-wheeling diode to protect ACU output	Nova Bus	Nova Bus	20 min
2	-	-	-	-

**MATERIAL**

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>				
1	N632000388	-	Wire kit	-
<b>LEVEL 2</b>				
-	-	-	-	-

Materials will be available within 35 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](mailto:prevostparts.commandes@volvo.com). Specify document number, quantity of parts required and shipping address.

**DISPOSAL OF PARTS**

<b>REMOVED PARTS ARE:</b>	<b>DISCARDED</b>	<b>RETAINED</b>
	-	-

**REVISION HISTORY**

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2015NO06	Initial release	Luc Carignan
R1	2016JA16	Order L562-572-654-729-761 transferred to BS3463. In step 1.3 and 1.6 connector ID number change.	Luc Carignan

Symbol	Meaning
Empty Field	No changes, the procedure applies
+	Contract added, the procedure applies
-	Contract removed, the procedure does not apply

	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
	Ames Transportation Agency - Iowa	L707	660	661	S92U5C4500159	S92U1C4500160	2
	Austin - CMTA - Texas	L635	5001	5001	S92U7C4500163	S92U7C4500163	1
	Austin - CMTA - Texas	L636	5002	5022	S92U1D4500306	S92U0D4500328	21
	Clemson Area Transit - South Carolina	L617	—	—	S92U5C4500002	S92U5C4500002	1
	Clemson Area Transit - South Carolina	L769	—	—	S92U1D4500418	S92U1D4500418	1
	CT Transit - Connecticut	L554	1041	1065	S92U1A4000139	S92U0A4000164	25
	CT Transit - Connecticut	L571	1101	1110	S92YXB4000144	S92Y4B4000169	10
	CT Transit - Connecticut	L814	1462	1473	S92LXE4500717	S92L4E4500728	12
	CT Transit - Connecticut	L815	1426	1426	S92L0E4500709	S92L0E4500712	4
	Demo - Articulated Bus	L433	—	—	S92UX93000029	S92UX93000029	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
	Halifax - Nova Scotia	L708	742	761	L92UXC3000782	S92U3C3000803	20
	Houston - Texas	L737	1510	1510	S92U4D4500297	S92U4D4500297	1
	Houston - Texas	L755	1511	1579	S92U4D4500333	S92U8D4500402	69
	LYNX - Florida	L725	—	—	S92Y9D4500329	S92Y5D4500330	2
	LYNX - Florida	L764	—	—	S92Y7D4500331	S92Y9D4500332	2
	LYNX - Florida	L785	—	—	S92L6E4500505	S92L8E4500506	2
	MTD - Santa Barbara, California	L730	—	—	S92J8E4500567	S92J1E4500569	3
	Niagara Falls - Ontario	L652	—	—	S92U3C3000607	S92U6C3000617	11
	Niagara Parks Commission - Ontario	L685	—	—	S92U9C3000644	S92U8C3000652	9
	San Joaquin County - California	L768	—	—	S92L4D4500422	S92L3D4500427	6
	Saskatoon - Saskatchewan	L359	—	—	S92U583000289	S92U583000289	1
	Saskatoon - Saskatchewan	L551	1005	1007	S92UXA3000178	S92U8A3000180	3
	Saskatoon - Saskatchewan	L568	—	—	S92U9B3000013	S92U9B3000013	1
	Saskatoon - Saskatchewan	L618	—	—	S92U1C3000377	S92U1C3000377	1
	SEPTA - Pennsylvania	L724	7300	7301	S92Y1D4500275	S92Y3D4500276	2
	SEPTA - Pennsylvania	L741	—	—	S92L4E4500504	S92L4E4500504	1
	SEPTA - Pennsylvania	L742	7371	7414	S92L6E4500729	S92L7E4500772	44
	SEPTA - Pennsylvania	L743	—	—	S92L1E4500489	S92L2E4500503	15
	SEPTA - Pennsylvania	L745	7415	7415	S92L0F4500873	S92L0F4500873	1
	SEPTA - Pennsylvania	L746	7416	7454	S92L7F4500952	S92L8F4501012	39
	SEPTA - Pennsylvania	L749	7302	7354	S92Y7D4500409	S92L2E4500470	53
	St. John - New Brunswick	L273	—	—	S92U383000050	S92U383000050	1

	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
–	Toronto Transit Commission - TTC - Ontario	L729	9000	9000	S92U9D3000905	S92U9D3000905	1
	Toronto Transit Commission - TTC - Ontario	L738	9001	9026	S92J6D3001094	S92J7D3001119	26
	Toronto Transit Commission - TTC - Ontario	L777	9027	9152	S92J7E3001123	S92J6E3001372	126
	University of Colorado - Colorado	L427	—	—	S92U693000027	S92U693000027	1
	University of Colorado - Colorado	L428	—	—	S92U893000028	S92U893000028	1
	University of Colorado - Colorado	L627	—	—	S92UXB4000139	S92U6B4000140	2
	Walt Disney World - Florida	L763	—	—	S92U0D3001019	S92U4D3001024	6
–	York Regional Transit - Ontario	L562	1080	1082	S92U2A3000420	S92U6A3000422	3
–	York Regional Transit - Ontario	L572	1083	1094	S92U3A3000569	S92U2A3000580	12
–	York Regional Transit - Ontario	L654	1370	1390	S92U1D3000946	S92U2D3000986	21
–	York Regional Transit - Ontario	L761	1391	1396	S92U6D3001008	S92UXD3001013	6



**WARNING**

Follow your internal safety procedures.

**PROCEDURE**

1.1. Open baselight access panels **BR7** and **BL9**. See Figure 1

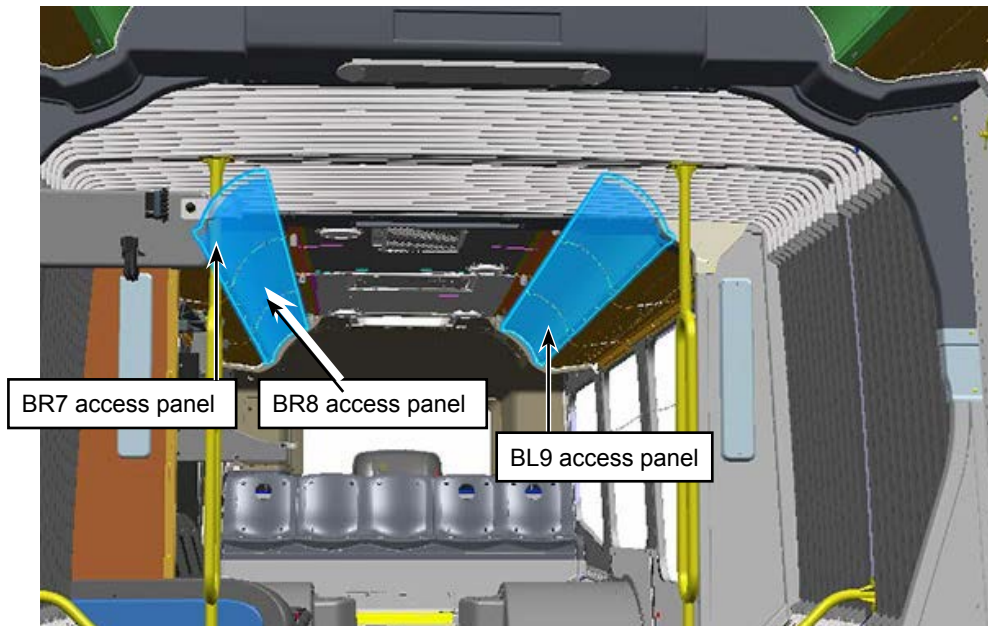


Figure 1 - Location of Baselight Access Panel BR7 and BL9 location

1.2. Test each diode included in wire kit N632000388 with a multimeter. Diodes are located in connector **BL9-X02F** and **BR7-X12AF**. See Figure 2 for multimeter lead position and readings to obtain.

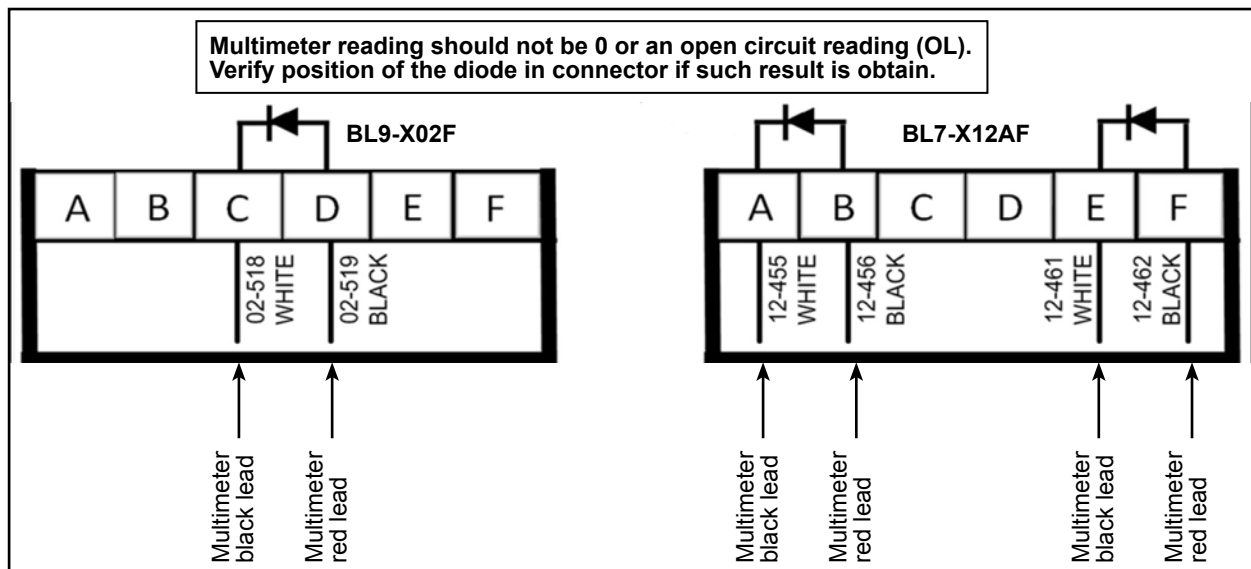


Figure 2 - Diode Test Procedure and Position of Diodes in Connectors

- 1.3. Locate and disconnect connector **BL9-X0205F**. See Figure 3.
- 1.4. Connect wire kit portion of N632000388 tagged with **BL9-X0202A** and **BL9-X0505A** to connectors **BL9-X0205F**.
- 1.5. Attach wire kit to vehicle harness with tie-wrap in a way not to cover connector with tie-wrap.

**NOTE**

Depending on the bus's configuration, the connector tagged with extension X1249C could have either prefix **BR7** or **BR8**.

- 1.6. Locate and disconnect connector **BR7-X1249C** or **BR8-X1249C**. See Figure 3.
- 1.7. Connect wire kit portion of N632000388 tagged with **BR7-X1212A** and **BR7-X4949A** to connectors **BR7- X1249C** or **BR8-X1249C**.
- 1.8. Attach wire kit to vehicle harness with tie-wrap in a way not to cover connector with tie-wrap. ❖



Figure 3 - BL9-X0205A and BR7-X1249A or BR8-X1249C Connector Location