

REFERENCE:	Nova Bus Manuals
SECTION:	08: Braking System
RS N°:	MQR 7621-2804
EFFECTIVE IN PROD.:	LF53 (2024FE)
TC RECALL N°:	N/A
NHTSA RECALL N°:	24V518

APPLICATION DEADLINES: N/A CLAIM  
REFERENCE NUMBER: SR5615

SUBJECT:	Parking Brake Valve's Air Lines
JUSTIFICATION:	Vehicles may have been manufactured with a loose connection on the parking brake valve's air lines. A loose connection could lead to a sudden air leak in the parking brake system and apply the parking brake automatically without activating the brake lights. A bus stopping suddenly without activating the brake lights may increase the risk of a crash.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Inspect the air lines connection on the parking brake valve and apply the appropriate torque on the air lines connection if required.	Nova Bus	-	10 min
2	-	-	-	-

#### MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
-	-	-	-
LEVEL 2			
-	-	-	-

#### DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED
	-	-

#### REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2024JL25	Initial release	Luc Carignan

APPROVED BY:

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Eric Charest

Signature numérique de Eric  
Charest  
Date : 2024.07.25 11:56:36 -  
04'00'

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Ames Transportation Agency - Iowa	LE35	6149	6149			1
Ames Transportation Agency - Iowa	LE52	7157	7158			2
Ames Transportation Agency - Iowa	LE80	6150	6150			1
Ann Arbor Area Transportation Authority Michigan - AAATA	LE73	2200	2207			8
Capital Area Transportation Authority Michigan - CATA	LE04	731	737			7
Capital Area Transportation Authority Michigan - CATA	LE05	6020	6019			2
Capital Area Transportation Authority Michigan - CATA	LF62	738	745			8
Capital Area Transportation Authority Michigan - CATA	LF63	6021	6021			1
Chicago Transit Authority - CTA - Illinois	LD76	8350	8449			100
Chicago Transit Authority - CTA - Illinois	LE87	8450	8549			100
Chicago Transit Authority - CTA - Illinois	LF11	8550	8551			2
Chicago Transit Authority - CTA - Illinois	LF11	8553	8577			25
Chicago Transit Authority - CTA - Illinois	LF11	8583	8583			1
Chicago Transit Authority - CTA - Illinois	LF11	8597	8601			5
Chicago Transit Authority - CTA - Illinois	LF11	8603	8603			1
Chicago Transit Authority - CTA - Illinois	LF11	8610	8610			1
Chicago Transit Authority - CTA - Illinois	LF11	8612	8612			1
Chicago Transit Authority - CTA - Illinois	LF11	8614	8616			3
Chicago Transit Authority - CTA - Illinois	LF11	8622	8623			2
Chicago Transit Authority - CTA - Illinois	LF11	8625	8648			24
Chicago Transit Authority - CTA - Illinois	LF52	8656	8663			8
Chicago Transit Authority - CTA - Illinois	LF52	8665	8668			4
Chicago Transit Authority - CTA - Illinois	LF52	8671	8671			1
Chicago Transit Authority - CTA - Illinois	LF52	8682	8685			4
Chicago Transit Authority - CTA - Illinois	LF52	8687	8687			1
Chicago Transit Authority - CTA - Illinois	LF52	8693	8693			1
Honolulu - Hawaii	LF30	6034	6034			1
Honolulu - Hawaii	LF30	6036	6036			1
Houston Texas - Metro	LE77	3000	3016			17
Huntsville - Alabama	LF23	—	—			4
Mack Defense	LE68	—	—			4
Maryland Transit Administration - MTA - Maryland	LD82	21068	21070			3
Maryland Transit Administration - MTA - Maryland	LE53	22001	22070			70
Maryland Transit Administration - MTA - Maryland	LF46	23001	23070			70
Milwaukee - Wisconsin	LE16	1000	1000			1
Milwaukee - Wisconsin	LE17	1001	1010			10
Milwaukee - Wisconsin	LF12	1011	1011			1
New York City Transit - NYCT - New York	LD08	8759	8779			20
New York City Transit - NYCT - New York	LD08	8781	8790			10
New York City Transit - NYCT - New York	LD08	8792	8817			26
New York City Transit - NYCT - New York	LD08	8819	8821			3
New York City Transit - NYCT - New York	LD08	8823	8842			20
New York City Transit - NYCT - New York	LD08	8844	8852			9

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - NYCT - New York	LD08	8854	8866			12
New York City Transit - NYCT - New York	LD08	8868	8869			2
New York City Transit - NYCT - New York	LD08	8871	8876			6
New York City Transit - NYCT - New York	LD08	8878	8882			5
New York City Transit - NYCT - New York	LD08	8884	8884			1
New York City Transit - NYCT - New York	LD08	8886	8890			5
New York City Transit - NYCT - New York	LD08	8892	8893			2
New York City Transit - NYCT - New York	LD08	8898	8912			15
New York City Transit - NYCT - New York	LD08	8914	8924			11
New York City Transit - NYCT - New York	LD08	8926	8963			38
New York City Transit - NYCT - New York	LD64	9884	9910			27
New York City Transit - NYCT - New York	LE84	8964	8965			2
New York City Transit - NYCT - New York	LE84	8972	8972			1
New York City Transit - NYCT - New York	LE84	8978	8979			2
New York City Transit - NYCT - New York	LE84	8985	8985			1
New York City Transit - NYCT - New York	LE84	8987	8990			3
New York City Transit - NYCT - New York	LE84	8993	8993			1
New York City Transit - NYCT - New York	LE84	8997	9002			6
New York City Transit - NYCT - New York	LE84	9007	9013			7
New York City Transit - NYCT - New York	LE84	9016	9017			2
New York City Transit - NYCT - New York	LE84	9019	9020			2
New York City Transit - NYCT - New York	LE84	9022	9022			1
New York City Transit - NYCT - New York	LE84	9024	9025			2
New York City Transit - NYCT - New York	LE84	9027	9031			5
New York City Transit - NYCT - New York	LE84	9033	9034			2
New York City Transit - NYCT - New York	LE84	9036	9041			6
New York City Transit - NYCT - New York	LE84	9043	9046			4
New York City Transit - NYCT - New York	LE84	9048	9049			2
New York City Transit - NYCT - New York	LE84	9051	9053			3
New York City Transit - NYCT - New York	LE84	9056	9056			1
New York City Transit - NYCT - New York	LE84	9059	9059			1
New York City Transit - NYCT - New York	LE84	9061	9061			1
New York City Transit - NYCT - New York	LE84	9063	9064			2
New York City Transit - NYCT - New York	LE84	9068	9068			1
New York City Transit - NYCT - New York	LE84	9074	9074			1
New York City Transit - NYCT - New York	LE84	9078	9078			1
New York City Transit - NYCT - New York	LE84	9080	9081			2
New York City Transit - NYCT - New York	LE84	9083	9086			4
New York City Transit - NYCT - New York	LF51	9105	9105			1
New York City Transit - NYCT - New York	LF51	9110	9111			2
New York City Transit - NYCT - New York	LF51	9114	9114			1
New York City Transit - NYCT - New York	LF51	9118	9118			1
New York City Transit - NYCT - New York	LF51	9126	9127			2

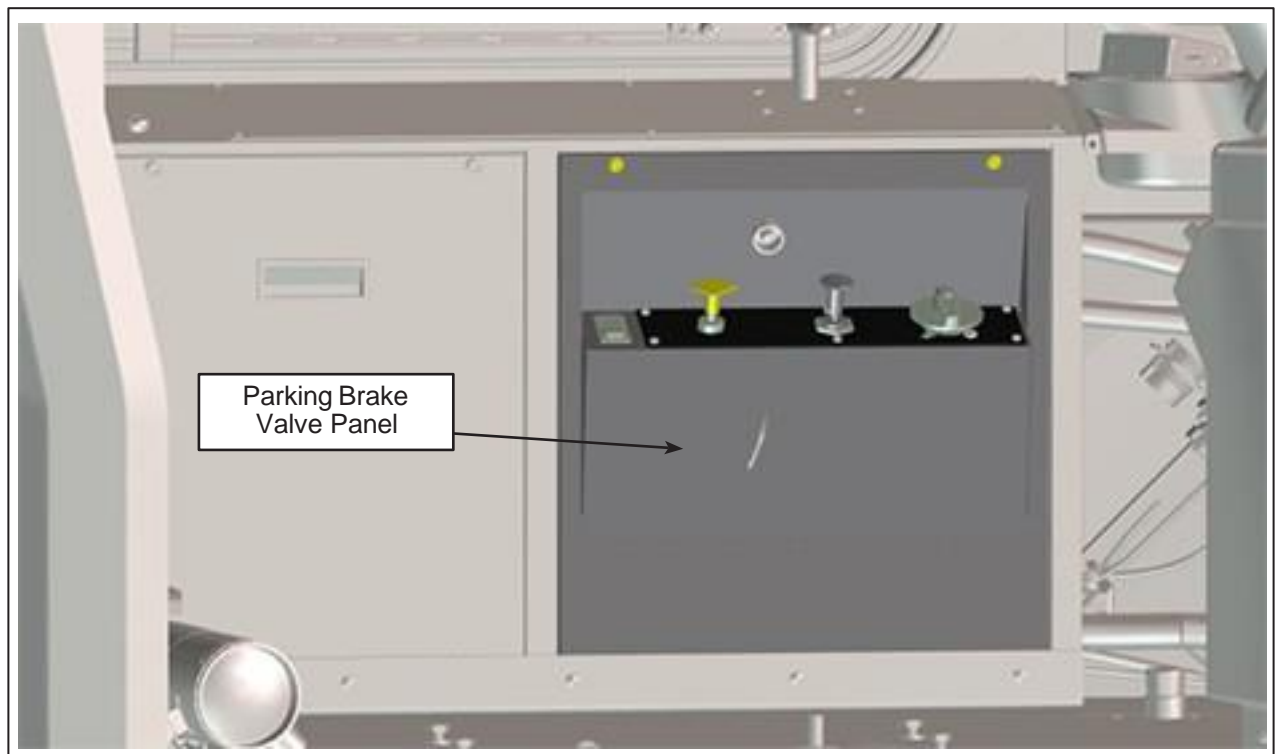
CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - NYCT - New York	LF51	9129	9129			1
New York City Transit - NYCT - New York	LF51	9131	9131			1
New York City Transit - NYCT - New York	LF51	9136	9136			1
New York City Transit - NYCT - New York	LF51	9141	9141			1
New York City Transit - NYCT - New York	LF51	9148	9148			1
New York City Transit - NYCT - New York	LF51	9150	9152			3
New York City Transit - NYCT - New York	LF51	9156	9156			1
New York City Transit - NYCT - New York	LF51	9167	9167			1
New York City Transit - NYCT - New York	LF51	9198	9198			1
NFTA - Buffalo, New York	LE03	2261	2270			10
NFTA - Buffalo, New York	LF43	2315	2324			10
Puerto Rico Highway and Transportation Authority – PRHTA	LF14	23-01	23-09			9
Rochester New York - RTS	LE92	2221	2247			27
Rochester New York - RTS	LF26	2301	2309			9
San Juan Puerto Rico – AMA	LE83	2022-01	2022-11			11
San Juan Puerto Rico – AMA	LF41	2022-12	2022-12			1
SFMTA - San Francisco, California	LE39	5010	5010			1
Trimet - Portland, Oregon	LD15	4502	4531			30

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

## PROCEDURE


- 1.1. Park the vehicle on an even surface with the transmission on neutral.
- 1.2. Apply the parking brake and set the master control switch to the **stop** position.
- 1.3. Open the parking brake valve panel of the lateral console to access the E-Brake valve air lines connection. See Figure 1.




*Figure 1 - Lateral Console Parking Brake Valve Panel*

- 1.4. Pull gently on the E-Brake valve air lines and validate that only one thread is still visible. See Figure 2.
  - a. If more than one thread is visible on any of the E-Brake valve air lines proceed with the repair instruction indicate in Figure 2.
  - b. If only one thread is visible on all of the E-Brake valve air lines proceed with the next step.

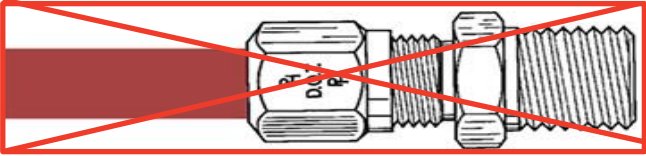
E-Brake Valves Air Lines Connection to Inspect.






**Inspection Criteria**

More than one thread visible torque the air line according to the repair instruction below



Only one thread visible no action required



**REPAIR INSTRUCTION**

Tighten the air line nut with a wrench until one thread remain visible

Or

Tighten the air line nut by hand then complete the tightening according to the following table.

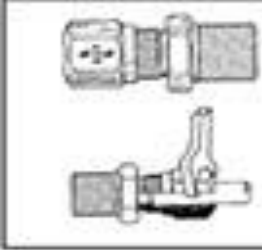
	Tube size	Number of additional turns with a wrench
	1/4	3
	3/8 & 1/2	4
	5/8 & 3/4	3-1/2

Figure 2 - Inspection of E-Brake Valve Air Lines

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- 1.5. Close the lateral console parking brake valve panel.
- 1.6. Return the vehicle in service.

