

REFERENCE:	Nova Bus Manuals
SECTION:	10: Transmission
RS N°:	MQR 7621-2934
EFFECTIVE IN PROD.:	LF94 (2024NO)
TC RECALL N°:	2025-047
NHTSA RECALL N°:	25V184

APPLICATION DEADLINES: N/A
CLAIM REFERENCE NUMBER: SR5687

SUBJECT:	Akasol Gen 3 batteries
JUSTIFICATION:	The affected vehicles may be built with BorgWarner Akasol Gen 3 batteries which BorgWarner has identified as suspect based upon manufacturing process parameters relative to torque and rework in their factory. The hardware inside the high-voltage battery pack may not have been tightened properly. As a result, the hardware could loosen and detach. If this happens, the loose hardware could cause a short circuit. A short circuit in the high-voltage battery can create a fire risk.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Performed by the client: - Commissioning/Decommissioning.	Nova Bus	-	1h30 min per bus
	- Remove and reinstall the battery pack(s).			2h12 min for one battery 4h24 min for two batteries*
2	Performed by Borg-Warner (supplier): - Inspect the battery pack(s). - If required, repair the battery pack(s).	Borg-Warner	Borg-Warner	-

* See the client list for the applicable quantity of batteries to repair.

MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
-	-	-	-
LEVEL 2 (only if required**)			
-	-	-	-

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	-
	-	-	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2025JN05	Initial release	André Pelletier

CLIENT	ORDER	ROAD NUMBER	VIN (2NVY/4RKY...)	QTY	BATTERY (IES) SERIAL NUMBER(S)
CMBC - Translink	LE14	H23203		1	30003780
CMBC - Translink	LE14	H23205		1	30002646
CMBC - Translink	LE14	H23209		1	30005250, 30005248
CMBC - Translink	LE14	H23211		1	30001218
Durham Region Transit Ontario	LF55	6130		1	30005209, 30005225
Grand River Transit Ontario - GRT	LF56	22307		1	30001124
Grand River Transit Ontario - GRT	LF56	22309		1	30002551
Grand River Transit Ontario - GRT	LF56	22311		1	30000563
Guelph Ontario	LE69	287		1	30002164
Guelph Ontario	LE69	288		1	30003141, 30003148
Guelph Ontario	LF45	293		1	30005267
Guelph Ontario	LF45	294		1	30005223, 30005237
Guelph Ontario	LF45	295		1	30005316
Halifax Nova Scotia	LF31	2001		1	30006063
Halifax Nova Scotia	LF31	2002		1	30005317
Halifax Nova Scotia	LF31	2003		1	30005194
Halifax Nova Scotia	LF31	2012		1	30005255, 30005262
Halifax Nova Scotia	LF31	2015		1	30001584
Halifax Nova Scotia	LF31	2020		1	30005553
Halifax Nova Scotia	LF31	2033		1	30005811
Halifax Nova Scotia	LF31	2038		1	30006090
Halifax Nova Scotia	LF31	2039		1	30005721
Halifax Nova Scotia	LF31	2044		1	30005666
Halifax Nova Scotia	LF31	2048		1	30005886, 30005810
Halifax Nova Scotia	LF31	2053		1	30006005
Houston Texas - Metro	LE77	3001		1	30003581
Houston Texas - Metro	LE77	3002		1	30003058
Houston Texas - Metro	LE77	3011		1	30003906
Houston Texas - Metro	LE77	3013		1	30002618, 30003537
Houston Texas - Metro	LE77	3018		1	30003856
Houston Texas - Metro	LE77	3019		1	30003140
Milwaukee Wisconsin - MCTS	LE16	1000		1	30003173
Milwaukee Wisconsin - MCTS	LE17	1001		1	30003166
Milwaukee Wisconsin - MCTS	LE17	1002		1	30003084
Milwaukee Wisconsin - MCTS	LE17	1008		1	30003150
Milwaukee Wisconsin - MCTS	LF12	1011		1	30004482
Milwaukee Wisconsin - MCTS	LF12	1012		1	30002611
Milwaukee Wisconsin - MCTS	LF12	1014		1	30002611
Oakville Ontario	LF70	—		1	32000113

CLIENT	ORDER	ROAD NUMBER	VIN (2NVY/4RKY...)	QTY	BATTERY (IES) SERIAL NUMBER(S)
Oakville Ontario	LF70	—		1	32000037
Oakville Ontario	LF70	—		1	32000064, 32000127
Oakville Ontario	LF70	—		1	32000117
Oakville Ontario	LF70	—		1	32000112
Oakville Ontario	LF70	—		1	32000058
Oakville Ontario	LF70	—		1	32000060, 32000093
Oakville Ontario	LF70	—		1	32000079
Oakville Ontario	LF70	—		1	32000052, 32000022
Oakville Ontario	LF70	—		1	32000035
Regina Saskatchewan	LG06	2401		1	32000216
San Francisco Municipal Transportation Agency - SFMTA	LE39	5010		1	30000001
San Francisco Municipal Transportation Agency - SFMTA	LE72	5011		1	30004497
San Francisco Municipal Transportation Agency - SFMTA	LE72	5012		1	30004488
Saskatoon Saskatchewan	LF64	2410		1	30005325, 30005145

**NOTE**

Please contact your Novabus Customer Support Manager to coordinate the inspection and the repair to be done by the supplier (Borg-Warner).

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

**WARNING**

This vehicle has an electrochemical power storage device composed of four to six high-voltage (HV) battery packs connected in parallel that can cause fatal electric shock or chemical burns, as well as damage to the vehicle. If a single HV battery pack is connected, the electricity may run through the entire HV system, leading to a risk of electrocution. It is the customer's responsibility to read the manufacturer's documentation to be aware of the risks associated with the system.

PROCEDURE

LEVEL 1: REMOVE AND REINSTALL THE BATTERY(IES)

- 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. Set the battery disconnect switch in the battery compartment to the **off** position.

**WARNING**

See the decommissioning procedures in section 16-606: Ifse+ hv decommissioning of your maintenance manual.

- 1.4. It is required to decommission and lock out the vehicle.
- 1.5. Remove the battery(ies) targeted by this recall, see the serial number(s) listed on the client list. See your maintenance manual section 10: High voltage batteries for removal and installation.
- 1.6. Level 2 inspect and repair has to be done by the supplier.
- 1.7. Once repaired, reinstall the battery(ies) as per your maintenance manual.
- 1.8. Proceed with the commissioning of the vehicle.
- 1.9. Keep a tracker with the date of the inspection and or the repair, the VIN and the serial number(s) of the battery (ies).
- 1.10. The vehicle may return in service

LEVEL 2: INSPECT AND REPAIR (DONE BY THE SUPPLIER)

- 2.1. The inspection and the repair will be performed by the supplier.

