

Part 573 Safety Recall Report

24V-460

Manufacturer Name : Lion Electric Company**Submission Date :** JUL 29, 2024**NHTSA Recall No. :** 24V-460**Manufacturer Recall No. :** R2024-010**Manufacturer Information :**

Manufacturer Name : Lion Electric Company

Address : 921 Chem. de la Riviere du N
Saint-Jerome, Quebec, Canada 00 J7Y
5G2

Company phone : 1-855-546-6706

Population :

Number of potentially involved : 102

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2024 Lion Electric LionC

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : We have determined the number of impacted vehicles with our database, and these are all LionC sold in the United States. The orientation of the CAN network connector for high-voltage battery No. 4 differ in the recalled vehicles.

Production Dates : APR 01, 2022 - SEP 30, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The CAN network connector for high-voltage battery No. 4 has been installed in the wrong orientation on some LionC, leading to infiltration and water accumulation in the connector.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Water ingress into the connector can lead to loss of communication with the battery and deactivation of high-voltage distribution. Loss of high voltage leads to the loss of the steering assistance, as well as the loss of the vehicle's primary braking system. The braking system's secondary pump is independent of the high-voltage distribution and guarantees the vehicle's braking capacity in the event of loss of the primary braking system. In the event of loss of high voltage, braking performance will be reduced. Loss of high voltage increases the risk of collision.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name 1 : Trombetta CAN connector

Component Description : CAN Bus control module

Component Part Number : 12600111_00

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

- January 11, 2024: Reported loss of high-voltage distribution on a LionC in the state of Maine.
- January 11, 2024 to June 2024: Investigation into potential causes of loss of high-voltage distribution. Inspection of vehicles in the state of Maine.
- June 14, 2024: Confirmation that the misalignment of the CAN connector increases the risk of water infiltration into the CAN connector and represents a defect with respect to the Motor Vehicle Safety Regulations. Recall proposal approved by Lion Electric's safety committee. To this day, there is no warranty claim raised by the customers related to this issue. There was also no injuries or death caused by this issue.

Description of Remedy :

Description of Remedy Program : As a first step, a notice will be sent to owners of affected vehicles to advise them of the potential defect. As a precaution, Lion electric will ask their clients to contact the Lion service department if any anomalies is detected with their vehicles.

The Lion Electric Company will reimburse customers in accordance with the reimbursement plan that will be submitted with this recall, which will state that the Lion Electric Company will cover all costs under the warranty program.

Each customer who has already paid to have their vehicle repaired for this defect may be eligible for reimbursement of the charges paid for the repair or replacement, as applicable.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : The orientation of the CAN network connector for high-voltage battery No. 4 has been corrected in the assembly procedure.

Recall Schedule :

Description of Recall Schedule : An inventory of all vehicles affected will be completed, and Lion plans to send the notice of defect to owners of affected vehicles and affected persons by August 19, 2024.

Planned Dealer Notification Date : AUG 12, 2024 - AUG 19, 2024

Planned Owner Notification Date : AUG 12, 2024 - AUG 19, 2024

* NR - Not Reported