

Part 573 Safety Recall Report

21V-968

Manufacturer Name : Lion Electric Company

Submission Date : MAR 01, 2022

NHTSA Recall No. : 21V-968

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Lion Electric Company

Address : 921, chemin de la Riviere-du-Nord
Saint-Jerome, Quebec, Canada 00 J7Y
5G2

Company phone : 1-855-546-6706

Population :

Number of potentially involved : 168

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2021 Lion 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 vehicles produced and sold in the United States

Production Dates : APR 01, 2016 - DEC 10, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Failure of the 12V circuit breaker switch could result in loss of steering assist and loss of braking capability (primary and secondary systems). Lion has identified a series of corrections to the 12V circuit to improve the vehicle safety.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The identified failure is evaluated as one that could occur a few times in the life of a vehicle impacted by this defect. The probability is therefore qualified as "unlikely". However, the impacts of such a failure could represent a human safety issue and a risk of injury and/or death in the event of complete loss of steering and brake assist, if the driver fails to use the emergency hand brake. In the event of such a failure, the hand brake system remains functional and fully operational.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name 1 : Master Disconnect Switch

Component Description : Manual Battery Disconnect Switch

Component Part Number : 75920

Supplier Identification :

Component Manufacturer

Name : Littlelfuse

Address : 8755 West Higgins Road, Suite 500
Chicago Illinois 60631

Country : United States

Chronology :

September 2, 2021: LionC accident on King Street in Sherbrooke.

September 30: Vehicle inspection by all parties involved at 241 Léger Street in Sherbrooke.

October 6: EPN 835 (Engineering Project Numbers) opening.

October 8: Beginning of the procedure of the preliminary tests.

November 7: Attempts to reproduce the cause of the accident at the vehicular level.

November 26: Identification of the present fix in the test series and validation.

To date, the investigation is still ongoing to identify the cause of the accident.

Description of Remedy :

Description of Remedy Program : All costs will be paid by the Lion Electric Company, We will send teams to do the repairs at the customers

How Remedy Component Differs from Recalled Component : The remedy involves an update of our methods not of the component itself

Identify How/When Recall Condition was Corrected in Production : This recall fix will be implemented on all production vehicles as of December 27

Recall Schedule :

Description of Recall Schedule : Lion plans to send the defect notice to owners of affected vehicles and affected individuals beginning December 20, 2021.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : JAN 07, 2022 - JAN 14, 2022

* NR - Not Reported