

# Part 573 Safety Recall Report

# 20V-123

**Manufacturer Name :** Lion Electric Company

**Submission Date :** NOV 09, 2020

**NHTSA Recall No. :** 20V-123

**Manufacturer Recall No. :** NR



## Manufacturer Information :

## Population :

**Manufacturer Name :** Lion Electric Company

**Number of potentially involved :** 95

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

**Estimated percentage with defect :** 33 %

**Company phone :** 1-855-546-6706

## Vehicle Information :

**Vehicle 1 :** 2015-2020 Lion LionC/Lion 360

**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES

**Body Style :** OTHER

**Power Train :** HYBRID ELECTRIC

**Descriptive Information :** We've determined the population with our database. The difference between recalls and non-recalls is the hardware as well as the torque applied

**Production Dates :** FEB 16, 2015 - JAN 06, 2020

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

## Description of Defect :

**Description of the Defect :** The Lion Electric Co. has detected a defect related to motor vehicle safety in certain electric and diesel Lion school buses 2015-2020. The defect which is the subject of this notice relates to the tightening torque applied to the bolts of the pitman arm and the i-shaft, both linked to the power steering box under the hood at the front of the vehicle. The tightening forces of the bolts of these two components are lower than the manufacturing requirements due to the use of inadequate hardware.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** The mechanical connection between the steering wheel and the wheel should be compromised, which could cause a complete loss of steering and this cause loss of control of the vehicle. This defect represents an issue for human security and is likely to cause a crash.

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** NR

**Involved Components :**

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

**Supplier Identification :****Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

Following a quality inspection by Claude Meunier (quality inspector) on 2019-12-06, we found that the tightening torques applied to the pitman arm and the i-shaft could be lower than the manufacturer's requirements. Due to threads tearing on some bolts when they were tightened on the production line, the tightening torques were lowered. We have therefore reviewed our standards to ensure that all our vehicles meet the manufacturer's minimum requirements.

**Description of Remedy :**

Description of Remedy Program : The defect has been controlled by using the right hardware and applying the tightening torques required by the manufacturers. The defect on customer vehicles will be corrected by the same measure. Lion will contact the customers to determine the date of the intervention.

How Remedy Component Differs from Recalled Component : We use the hardware required by the manufacturer as opposed to the pre-recall hardware.

Identify How/When Recall Condition was Corrected in Production : We corrected the problem on January 3rd on the production line, after receiving the proper hardware.

**Recall Schedule :**

Description of Recall Schedule : We sent the notifications on March 9, 2020 and ended on the 27th.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : MAR 09, 2020 - MAR 27, 2020

\* NR - Not Reported