Part 573 Safety Recall Report 20V-333

Manufacturer Name : Lion Electric Company
Submission Date : JUN 30, 2021
NHTSA Recall No. : 20V-333
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 : 125
Estimated percentage with defect : 30 %

Vehicle Information :

Vehicle 1 : 2012-2020 Lion LionC/Lion360
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : HYBRID ELECTRIC
Descriptive Information : We established the population, because it's all vehicles sold before the problem was detected. We consulted our database for the list.Subsequently we corrected our production line with the right assembly method.
Production Dates : JAN 02, 2012 - APR 06, 2020

VIN Range 1 :	Begin :	4VZJN2A96BC075428	End :	4VZJN2A94DC075429	☐ Not sequential
VIN Range 2 :	Begin :	4VZJP2A97DC076522	End :	4VZJN2A9XEC076523	☐ Not sequential
VIN Range 3 :	Begin :	4VZJP2A92EC076672	End :	4VZJP2A94EC076673	☐ Not sequential
VIN Range 4 :	Begin :	4VZJP2A96EC076903	End :	4VZJP2A98EC076904	☐ Not sequential
VIN Range 5 :	Begin :	4VZJP2A96EC077551	End :	4VZJP2A98EC077552	☐ Not sequential
VIN Range 6 :	Begin :	4VZJN2A9XEC077641	End :	4VZJN2A93EC077643	☐ Not sequential
VIN Range 7 :	Begin :	4VZJN2A97FC079185	End :	4VZJN2A99FC079186	☐ Not sequential
VIN Range 8 :	Begin :	4VZJN2A90FC079190	End :	4VZJN2A92FC079191	☐ Not sequential
VIN Range 9 :	Begin :	4VZJN2A9XFC079956	End :	4VZJP2A90FC079958	☐ Not sequential
VIN Range 10 :	Begin :	4VZJP2A94FC079963	End :	4VZJP2A91FC079967	☐ Not sequential
VIN Range 11 :	Begin :	4VZJN2A95GC080272	End :	4VZJN2A97GC080273	☐ Not sequential
VIN Range 12 :	Begin :	4VZJN2A93GC080299	End :	4VZJN2A96GC080300	☐ Not sequential
VIN Range 13 :	Begin :	4VZJN2A99GC080601	End :	4VZJN2A99GC080666	☐ Not sequential
VIN Range 14 :	Begin :	4VZJN2A92DC076210	End :	4VZJN2A96DC076212	☐ Not sequential

Description of Defect :

Description of the Defect :	The defect which is the subject of this notice relates to the hardware used for fixing the driver's belt. The assembly has several components, some of which are optional. Depending on the assembler and the number of components used, the belt screw could leave only one or no thread on the other side of the nut, thus not guaranteeing the mechanical integrity of the fixing mechanism.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	In the event of an impact, the attachment point of the seat belt could come off and compromise the driver's safety. Therefore, this defect represents an issue for human security. No warranty claims and service cases have been identified to date.
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 :

A Quality Inspection was performed on October 30th 2019; the issue of missing engaged threads was identified during that inspection. On November 29th, the engineering team performed another inspection and they determined that the driver seat belt was not installed correctly, and many failure modes were noticed. The quality agent who was handling that case was terminated on November 12th for unrelated reasons, and that

termination caused many delays in the file. A task force team was assigned to inspect ten (10) other LionC school buses to see if this issue was recurrent. Four (4) other driver seat belt assemblies showed wrong assemblies, all different from one another. On December 4th, enough information was gathered on the issue and Félix-Antoine Brassard concluded that a defect in relation to motor vehicle safety may exist on the school buses (models LionC and Lion36). At the beginning of 2020, the COVID-19 pandemic started to spread and its effects have greatly affected Lion's operations. After weeks of battling to keep our operations up and running, on March 13th 2020 we were forced to shut down all our activites for a period of three months. We had to lay off temporarily more than 70% of our employees. We were authorized to reopen on May 11th, and restarted our activities gradually from there, still suffering from the effects of the pandemic. It is then on June 4th 2020 that were able to file the DIR.

Description of Remedy :

Description of Remedy Program :	The defect will be corrected by replacing the hardware. The Lion Electric Company plans to send you a validation plan to confirm that the assembly is compliant. Otherwise, the work instructions will be sent to you in order to make the appropriate corrective measures. The Company will assume the costs of this corrective action. The Company allocates an amount of $25. In order to claim that amount, the warranty claim form must be filled and include the recall number. This form and a picture of the validation must be sent to the following email : garantie.warranty@thelionelectric.com
How Remedy Component Differs from Recalled Component :	NR
Identify How/When Recall Condition was Corrected in Production :	NR

Recall Schedule :

Description of Recall Schedule :	NR
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	JUL 20, 2020 - JUL 24, 2020

* NR - Not Reported