

Part 573 Safety Recall Report

23E-034

Manufacturer Name : Les Technologies Ecotuned inc.

Submission Date : APR 20, 2023

NHTSA Recall No. : 23E-034

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Les Technologies Ecotuned inc.

Address : 755 boul. Lionel-Boulet

Suite 1 Varennes 00 J3X 1P7

Company phone : 7060618

Population :

Number of potentially involved : 143

Estimated percentage with defect : NR

Equipment Information :

Brand / Trade 1 : Ecotuned Technologies

Model : E85 MK3

Part No. : H211-209-V02-R00

Size : NR

Function : NR

Descriptive Information : The population consists of all EV system produced and sell to MicroBird Corp. (2018-2023). They're all equipped with the same charging harness model that can have a faulty spliced connection on the A/C powerline.

Production Dates : MAR 01, 2018 - APR 17, 2023

Description of Defect :

Description of the Defect : The A/C (level 2) charging harness is composed of a spliced connection that split the current from the charging port to the 2 on-board chargers. After the investigation of a vehicle damaged from fire, the engineering team identify this spliced connection to be the cause of the origin of the fire. On the detailed evaluation of the manufacturing process. All the produced charging harness (H211-209-V02-R00) were manufactured with the same technique. Ecotuned suspect that may be other units of this harness may have a quality issue that can lead to another fail similar to the one investigated.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The main risk with an power harness fire is the propagation inside the engine bay and eventually to the battery pack and the cabin.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name : Charging harness

Component Description : Charging harness

Component Part Number : H211-209-V02-R00

Supplier Identification :

Component Manufacturer

Name : Ecotuned

Address : 755 Boul. Lionel Boulet
Varennes Foreign States J3X1P7

Country : Canada

Chronology :

Ecotuned Technologies and Micro Bird were informed on April 6, 2023, that an electric vehicle had been damaged by fire on April 4, while charging. On April 7, a team composed of employees of both companies was sent to investigate the circumstances of the incident.

On April 13, 2023, Ecotuned informed Micro Bird that the presumed root cause was a high heat dissipation at a junction point of the AC charging harness and a safety bulletin was sent to dealers of Micro Bird EV vehicles advising them to inform their clients that until further notice, electric vehicles shall be charged using outside charging equipment only and to keep a safe distance between vehicles and with buildings during charging sessions.

On the same day, it was decided to recall the electric vehicles equipped with Ecotuned Technologies MK3 kit.

Micro Bird had not received any report of incident or claim regarding this defect before the April 6, 2023 incident.

Description of Remedy :

Description of Remedy Program : Ecotuned is currently working to develop & test the proper fix to address this issue. It's going to be deployed through the Microbird dealers network and installed at no cost to the vehicle.

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 : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : MicroBird Corporation
Address : 3000 Rue Girardin
Drummondville 00 J2E 0A1
Country : CA
Company Phone : NR

* NR - Not Reported