

Part 573 Safety Recall Report

23E-034

Manufacturer Name : Les Technologies Ecotuned inc.

Submission Date : OCT 03, 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 : 100 %

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
Varenes 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.

Ecotuned will reimburse any OEM who had repairs performed prior to receiving a 577 notice.

How Remedy Component Differs from Recalled Component : The remedy is to equip the potential faulty harness with a fireproof sheath sleeve to prevent any propagation of the heat if any part of the harness has been damaged or has been corroded.

Identify How/When Recall Condition was Corrected in Production : The fireproof sleeve has been integrated into production, all the work instruction and drawing has been updated to fulfill this new requirement.

Recall Schedule :

Description of Recall Schedule : dealers has been notified by email

Owner has been notified by an official letter sent by mail

Planned Dealer Notification Date : JUN 05, 2023 - JUN 20, 2023

Planned Owner Notification Date : JUN 27, 2023 - JUN 27, 2023

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