

# Part 573 Safety Recall Report

## 24V-475

**Manufacturer Name :** SEA Electric LLC**Submission Date :** JUN 25, 2024**NHTSA Recall No. :** 24V-475**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : SEA Electric LLC

Address : 1500 SE 19TH ST. SUITE 105

GRIMES IA 50111

Company phone : 833-732-3532

**Population :**

Number of potentially involved : 173

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2023-2025 SEA Electric 5e

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : 2-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The potential concern relates to certain electric vehicles which incorporate particular versions of Battery Management System (BMS) software. SEA Electric is the incomplete vehicle manufacturer of these vehicles.

Production Dates : APR 28, 2023 - MAY 31, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2022 Ford F59

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : The potential concern relates to certain electric vehicles which incorporate particular versions of Battery Management System (BMS) software. SEA Electric is either the intermediate manufacturer or alterer of these vehicles.

Production Dates : OCT 07, 2022 - OCT 05, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2020-2020 Hino 195

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : 2-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The potential concern relates to certain electric vehicles which incorporate particular versions of Battery Management System (BMS) software. SEA Electric is the intermediate manufacturer of these vehicles.

Production Dates : DEC 30, 2020 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2019-2019 Isuzu NRR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : 2-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The potential concern relates to certain electric vehicles which incorporate particular versions of Battery Management System (BMS) software. SEA Electric is the intermediate manufacturer of this vehicle.

Production Dates : JUN 13, 2019 - JUN 13, 2019

VIN Range 1 : Begin : JALE5W167K7303346

End : JALE5W167K7303346

Not sequential

## Description of Defect :

Description of the Defect : Vehicles equipped with certain iterations of SEA Electric vehicle software may experience a loss of motive power.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Loss of motive power may result in an increased risk of crash.

Description of the Cause : In this scenario, the BMS software was operating as intended. It measured a cell voltage level higher than a preprogrammed safety limit and shut down as intended, as it commanded an amount of regenerative braking that the battery could not safely sustain.

Identification of Any Warning that can Occur : Likely none. A yellow truck may appear on the dashboard at the time or simultaneous to the event.

## Involved Components :

Component Name 1 : Software

Component Description : Battery Management System Software

Component Part Number : December 2022 iterations and earlier

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

On or about June 6, 2024, SEA Electric received NHTSA's single purchaser request form for recall 24V-399. SEA Electric promptly convened its safety committee and initiated an investigation. Pending its investigation, SEA Electric initiated a stop-ship on or about June 13, 2024. Based upon the results of its investigation, including identifying the software iterations at issue, on or about June 14, 2024, SEA Electric's safety committee decided to make this report in an abundance of caution.

## Description of Remedy :

Description of Remedy Program : At no charge to vehicle owners, SEA Electric will update the vehicle software to limit the amount of current generated by regenerative braking at a high SOC. Reimbursement for pre-notification remedies will be covered by SEA's forthcoming Reimbursement Plan.

How Remedy Component Differs from Recalled Component : The updated SEA Vehicle software will manage high SOC regenerative braking.

Identify How/When Recall Condition was Corrected in Production : A stop shipment was implemented on June 13, 2024. All future production will have the updated software.

## Recall Schedule :

Description of Recall Schedule : SEA Electric will provide notice in accordance with the noted schedule.

Planned Dealer Notification Date : AUG 14, 2024 - AUG 14, 2024

Planned Owner Notification Date : AUG 14, 2024 - AUG 14, 2024

\* NR - Not Reported