

# Part 573 Safety Recall Report

# 19E-078

**Manufacturer Name :** Ioxus Corporation

**Submission Date :** JAN 07, 2020

**NHTSA Recall No. :** 19E-078

**Manufacturer Recall No. :** NR



## Manufacturer Information :

**Manufacturer Name :** Ioxus Corporation

**Address :** 18 Stadium Circle  
Oneonta NY 13820

**Company phone :** 441-3500

## Population :

**Number of potentially involved :** 7,892

**Estimated percentage with defect :** 100 %

## Equipment Information :

**Brand / Trade 1 :** uSTART

**Model :** 12V uSTART MD

**Part No. :** uST12D1100G31-ISA

**Size :** G31

**Function :** Energy Storage

**Descriptive Information :** All 12V uSTART MD modules are included in this recall.

**Production Dates :** APR 01, 2019 - OCT 29, 2019

## Description of Defect :

**Description of the Defect :** The uSTART module electronics can short internally, allowing the vehicle battery to discharge into the uSTART electronics. The manufacturer is currently aware of two incidents where this possible defect has occurred.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** A short circuit in the uSTART electronics can allow the vehicle battery to fully discharge into the uSTART, generating a large quantity of smoke with the possibility of a thermal event. Manufacturer is currently unaware of any personal injury resulting from this possible defect.

**Description of the Cause :** Root cause analysis performed to date indicates cracking of multilayer ceramic capacitors on the uSTART circuit boards.

**Identification of Any Warning that can Occur :** A large generation of smoke may occur due to the electronics short circuit.

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

Name : Ioxus Corporation  
Address : 18 Stadium Circle  
Oneonta NEW YORK 13856  
Country : United States

**Chronology :**

On 10/29/19 a uSTART module emitted smoke while in service in an end user vehicle. On 11/14/19 Ioxus was notified of a second uSTART module that emitted smoke in an end user vehicle.

**Description of Remedy :**

Description of Remedy Program : Remove the uSTART and replace with a conventional G31 lead acid battery. NOTE: This recall supersedes recall 18E-093.

How Remedy Component Differs from Recalled Component : The recalled component is a 12V uSTART MD Ultracapacitor module, PN uST12D1100G31-ISA.  
The remedy component is a conventional G31 lead acid battery, identical to the existing battery in the vehicle.

Identify How/When Recall Condition was Corrected in Production : NR

**Recall Schedule :**

Description of Recall Schedule : Notify all customers and end users by 11/18/19

Planned Dealer Notification Date : NOV 18, 2019 - NOV 18, 2019

Planned Owner Notification Date : NOV 18, 2019 - NOV 18, 2019

**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 : NR

Address : NR

NR

Country : NR

Company Phone : NR

\* NR - Not Reported