

# Part 573 Safety Recall Report

## 25E-022

**Manufacturer Name :** Our Next Energy

**Submission Date :** APR 02, 2025

**NHTSA Recall No. :** 25E-022

**Manufacturer Recall No. :** NR



### Manufacturer Information :

**Manufacturer Name :** Our Next Energy

**Address :** 45145 W. 12 Mile Road  
Novi MI 48377

**Company phone :** 6184818

### Population :

**Number of potentially involved :** 455

**Estimated percentage with defect :** 4 %

### Equipment Information :

**Brand / Trade 1 :** Our Next Energy

**Model :** Aries LFP

**Part No. :** 10108,1633

**Size :** NR

**Function :** Battery Pack

**Descriptive Information :** This recall encompasses the entire battery pack population that were produced after the assembly line was moved to Our Next Energy's Headquarters until corrective action was implemented (9/30/2024 - 3/1/2025). All of these battery packs were sold for installation into commercial vehicle truck applications.

**Production Dates :** SEP 30, 2024 - MAR 01, 2025

### Description of Noncompliance :

**Description of the Noncompliance :** An unseated fastener may exist along the center spline of the battery pack. This condition can create a leak path into the battery pack, potentially compromising the electrical isolation or creating a high voltage short circuit (localized heating within the battery pack).

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** Under certain conditions, foreign substance can enter the battery pack causing a loss of electrical isolation. This condition may lead to gases venting from the battery pack, smoke, battery fire, or shock hazard.

**Description of the Cause :** The cause of the leak path into the battery pack is an improperly installed fastener into the battery pack's top cover.

**Identification of Any Warning that can Occur :** Foreign substance entering the battery pack will cause the Battery Management System to set an isolation fault sending a DTC signal to the vehicle.

### Involved Components :

Component Name : Fastener

Component Description : M5 X 16MM THREAD FORMING W\_SEAL

Component Part Number : 000005757

### Supplier Identification :

#### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

### Chronology :

3/14: Our Next Energy received a report of an isolation fault set on a commercial vehicle being stored outside at an OEM facility.

3/17: Our Next Energy's field service technician confirmed the loss of isolation around the HV bus and confirmed water intrusion had occurred into the pack through a leak path left by an unseated fastener. The pack was then debussed by removing several bus bars reducing the greatest measurable voltage to 26 Volts. The truck was then deemed safe to move to another location with a lift allowing the pack to be removed from vehicle and returned to ONE on 3/25.

3/18: ONE sorted inventory in-house visually finding 4 packs with an unseated fastener. These packs were leak tested with positive pressure finding that the positive pressure expands the battery pack walls and "passes" the unseated fastener condition. These packs were then leak tested with vacuum (negative pressure) finding that this method "fails" these packs for leaks (pulls the sealing surface inward challenging the sealing joint formed by the fasteners).

3/18: Our Next Energy determined the issue can be inspected by vacuum leak test or visual inspection by confirming the sealing washer is protruding out and is "seated" against the matting surface.

3/19: Our Next Energy issued a Quality Bulletin via email to all customers notifying them of the concern and requesting access to their inventory for inspection.

3/20: Our Next Energy determined the scope of product at risk for this condition by identifying serial numbers that had been leak test with positive pressure and battery packs that had not been visually inspected for seated fastener during Safe Launch (previous contract Mfg.)

## Description of Remedy :

Description of Remedy Program : Suspect packs will be visually inspected confirming seated fastener with protruding seal against mating surface or vacuum leak tested with negative pressure. Serial numbers will be tracked on a containment work sheet.

If failure is found 1) Check for Isolation 2) HIPOT Test 3) Pull lid for evidence of water 4) If Water Found - De-Energize Pack and return to ONE.... If pass all checks- reassemble top cover, vacuum leak test, and confirm pack is clear of DTC.

Our Next Energy requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure will be replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant.

How Remedy Component Differs from Recalled Component : Battery Pack Serial Numbers will be used to distinguish remedy battery packs from recalled battery packs.

Identify How/When Recall Condition was Corrected in Production : 1) Updating the torque controller process parameters to ensure fasteners achieve torque and are seated. Timing TBD 2) Update the assembly process to include negative (vacuum) leak test which will pull the cover inward challenging the joint being leak tested. Please note that positive pressure leak test will also remain in place. 3) Require visual inspection and witness mark of each fastener as a redundant verification for seated fastener condition.

## Recall Schedule :

Description of Recall Schedule : Our Next Energy has notified our customers via Quality Bulletin on 3/19 and are working with each to develop a recall schedule. As of 4/2 we have confirmed all suspect packs are at the OEM locations (none delivered to end customers) and inspection activity has started at all 3 OEM locations.

Planned Dealer Notification Date : APR 02, 2025 - APR 02, 2025

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 : The Shyft Group

Address : 41280 Bridge St

Novi MI 48375

Country : US

Company Phone : 2698326290

Name : Bollinger Motors

Address : 14925 W 11 Mile Road

Oak Park MI 48237

Country : US

Company Phone : 7432624076

Name : Motiv Power Systems

Address : 42950 W 10 Mile Rd

Novi MI 48375

Country : US

Company Phone : 2487652935

\* NR - Not Reported