

# Part 573 Safety Recall Report

# 24V-144

**Manufacturer Name :** Ford Motor Company**Submission Date :** FEB 23, 2024**NHTSA Recall No. :** 24V-144**Manufacturer Recall No. :** 24S11**Manufacturer Information :**

Manufacturer Name : Ford Motor Company

Address : 330 Town Center Drive

Suite 500 Dearborn MI 48126-2738

Company phone : 1-866-436-7332

**Population :**

Number of potentially involved : 216

Estimated percentage with defect : 20 %

**Vehicle Information :**

Vehicle 1 : 2023-2023 Ford F-150 Lightning

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

**Descriptive Information :** Ford's team reviewed plant records to determine the population of affected parts. The Ford process is capable of tracing high voltage battery pack production to the vehicle in which the high voltage battery pack is installed.

Affected vehicles have a high voltage battery pack that underwent a rework operation at the high voltage battery pack assembly facility.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

216 F-150 vehicles are affected.

Production Dates : OCT 31, 2022 - AUG 02, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** Affected vehicles may have one or more missing or loose retention nuts on the high voltage battery junction box bus bars in the high voltage battery pack.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** Missing or loose retention nuts on the high voltage battery junction box bus bars in the high voltage battery pack may result in electrical arcing, which can increase the risk of fire. In addition, a "Stop Safely Now" message may occur in the instrument cluster followed by loss of motive power, which can

increase the risk of a crash.

**Description of the Cause :** One or more retention nuts on the high voltage battery junction box bus bars may have been removed in error during a rework operation and there was not a subsequent re-verification of retention nut torque.

**Identification of Any Warning that can Occur :** The customer may hear a loud noise while driving. A “Stop Safely Now” message and a malfunction indicator light will display in the instrument cluster preceding loss of motive power. The vehicle can coast to a stop and the 12V battery power will sustain the use of assisted steering and braking.

## Involved Components :

**Component Name 1 :** Bolt nut

**Component Description :** M6 Nut & Washer

**Component Part Number :** W721583-S437

**Component Name 2 :** BEC Module Positive

**Component Description :** BEC High Voltage Battery Junction Box

**Component Part Number :** NL38-10C666-AB

**Component Name 3 :** BEC Module Negative

**Component Description :** BEC High Voltage Battery Junction Box

**Component Part Number :** NL38-10C666-BD

**Component Name 4 :** BEC Module Negative

**Component Description :** BEC High Voltage Battery Junction Box

**Component Part Number :** NL38-10C666-BE

**Component Name 5 :** BEC Module Negative

**Component Description :** BEC High Voltage Battery Junction Box

**Component Part Number :** NL38-10C666-BF

Component Name 6 : Bus-Bar Link

Component Description : Bus-Bar Link

Component Part Number : NL38-14A033-FA

Component Name 7 : Bus-Bar Link

Component Description : Bus-Bar Link

Component Part Number : NL38-14A033-EA

Component Name 8 : Bus-Bar Link

Component Description : Bus-Bar Link

Component Part Number : NL38-14A033-NA

## Supplier Identification :

### Component Manufacturer

Name : Ford Motor Company

Address : 1 American Road  
Dearborn Michigan 48126

Country : United States

## Chronology :

Chronology is provided as an attachment.

## Description of Remedy :

Description of Remedy Program : Owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer for an inspection of the high voltage battery junction box bus bars for missing or loose retention nuts. Dealers will confirm proper torque of the bus bar retention nuts. If any of the retention nuts are loose or missing, further repairs will be necessary and owners may be provided a rental vehicle until final repair instructions are available. There will be no charge for these services. Ford provided the general reimbursement plan for the cost of remedies paid for by vehicle owners prior to notification of a safety recall in May 2023. The ending date for reimbursement eligibility is estimated to be April 5, 2024. Ford will forward a copy of the notification letters to dealers to the agency when available.

How Remedy Component Differs from Recalled Component : The retention nuts (part number W721583-S437) will be properly installed and torqued to specification on the Bus-Bar Links (part number NL38-14A033-\*A) attached to the BEC Positive/Negative Modules (part number NL38-10C666-\*\*).

Identify How/When Recall Condition was Corrected in Production : Not required per 49 Part 573.

## Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on February 26, 2024. Mailing of owner notification letters is expected to begin March 18, 2024 and is expected to be completed by March 22, 2024.

Planned Dealer Notification Date : FEB 26, 2024 - FEB 26, 2024

Planned Owner Notification Date : MAR 18, 2024 - MAR 22, 2024

\* NR - Not Reported