



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

## Part 573 Safety Recall Report

## 22V686

**Manufacturer Name:** Ford Motor Company

**Submission Date:** Sep 13, 2024

**NHTSA Recall No.:** 22V686

**Manufacturer Recall No.:** 22C22

### Manufacturer Information

### Population

**Manufacturer Name:** Ford Motor Company  
**Address:** 330 Town Center Drive  
Suite 500  
Dearborn MI, 48126-2738

**Total number of potentially involved:** 86,050  
**Estimated percentage with defect:** 1%

### Vehicle Information

**Vehicle 1:** 2022-2023 Ford Bronco Sport

**Product Category:** Light Vehicles

**Product Type:**

**Fuel / Propulsion:**

**Production Dates:** Mar 19, 2022 - Jul 28, 2022

**Number of potentially involved:**

**Descriptive Information:**

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing LED Driver Module (LDM) production to the vehicle in which the LDM is installed.

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

8,246 Bronco Sport vehicles are affected.

**Vehicle 2:** 2022-2022 Ford F150

**Product Category:** Light Vehicles

**Product Type:**

**Fuel / Propulsion:**

**Production Dates:** Mar 11, 2022 - Jul 23, 2022

**Number of potentially involved:**

**Descriptive Information:**

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Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing LED Driver Module (LDM) production to the vehicle in which the LDM is installed.

Affected F150 vehicles are equipped with LED Parking lamps.  
F150 vehicles with incandescent parking lamps are not affected.

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

77,804 F150 vehicles are affected.

## Defect / Noncompliance Description

### Description of the defect or noncompliance:

Parking lamp flickering may occur during any of the three following scenarios.

Scenario 1: When the customer manually selects the "position lamp on" mode.

Scenario 2: When the customer manually selects "Headlamp On" Mode.

Scenario 3: When the customer is driving in automatic headlamp mode, and the environment gets dark enough to trigger "Night Mode", which turns on the headlamp and parking lamp function.

**FMVSS1:** 108 - Lamps, reflective devices, and assoc. Equipment

**FMVSS2:**

### Description of the safety risk, including crash, fire, death, injury:

Vehicles may exhibit a park lamp flickering that does not meet the steady burning requirement of FMVSS 108. A non-steady burning parking lamp could increase the risk of a crash.

### Description of the cause:

The frequency of operation of the LED driver module is currently 200Hz. At 200Hz, the lamp is susceptible to flickering due to insufficient capacitance on the capacitor when operating between 2.95 and 3.14 volts and the lamp has LED string voltage greater than 12.5 volts.

### Identification of any warning that can occur:

None.

## Component Manufacturer

**Tier of Supplier:**

**Supplier Type:**

**Name:** Continental Automotive Austria GmbH

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**Address:** Dresdner Strasse 91  
1200 Vienna Foreign States, .

**Country:** Austria

## Involved Components

**Component Name 1:** LED driver module

**Component Description:** LED driver module

**Component Part Number:** NC5A-13B626-FB

## Chronology

Chronology is provided as an attachment

**Related NHTSA Recall Number:**

## Description of Remedy

**Remedy Type:** Replace

**Consumer Advisories:**  Do Not Drive  Park Outside

### Description of remedy program:

Owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to have the LED Driver module replaced. There will be no charge for this service.

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 2021. The ending date for reimbursement eligibility is estimated to be November 11, 2022.

Ford will forward a copy of the notification letters to dealers to the agency when available.

### How remedy component differs from recalled component:

The remedy component is an LED driver module (NC5A-13B626-FB) with updated software. The software update increases the frequency of operation of the LED driver module from 200Hz to 400Hz. The lamp is susceptible to flickering due to insufficient capacitance at the 200 Hz voltage on the capacitor when operating between 2.95 and 3.14 volts and a lamp with LED string voltage greater than 12.5 volts. Increasing the frequency of operation to 400HZ reduces the required capacitance more than 50%. This allows the lamp to operate without flickering.

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**Identify how/when recall condition was corrected in production:**

Not required per 49 Part 573.

## Reimbursement Plan

**Description of reimbursement program:**

**Period of reimbursement:**

**Costs to be reimbursed:**

**Address for reimbursement claims:**

## Recall Schedule

**Description of recall schedule:**

Notification to dealers is expected to occur on October 31, 2022. Mailing of owner notification letters is expected to begin October 31, 2022 and is expected to be completed by November 4, 2022.

**Planned Dealer Notification Date:** Oct 31, 2022 - Oct 31, 2022  No Dealers

**Planned Interim Owner Notification Date:**  No Owners

**Planned Remedy Owner Notification Date:** Oct 31, 2022 - Nov 04, 2022  Phased Recall

**Date when VIN will be searchable:**