

Part 573 Safety Recall Report

23V-802

Manufacturer Name : Ford Motor Company**Submission Date :** NOV 28, 2023**NHTSA Recall No. :** 23V-802**Manufacturer Recall No. :** 23C36**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 : 18,527

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2022 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Ford's team reviewed service records to determine the exact population of vehicles that received an incomplete 22C22 recall remedy by reading the LED (Light Emitting Diode) Driver Module (LDM) software level of each vehicle from the service history.

Affected vehicles are equipped with high series headlamps and had an incomplete remedy for Field Service Action (FSA) 22C22. Additionally, vehicles equipped with high series headlamps that have not yet had 22C22 completed are also included in this new FSA with improved service instructions. Units with mid and low series headlamps are not affected because the Body Control Module (BCM) diagnostics on these vehicles is capable of detecting an incomplete software load and will alert the technician by flashing the dome lamps.

18,527 F-150 vehicles are 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.

Production Dates : MAR 11, 2022 - JUL 23, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Noncompliance :

Description of the 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.

FMVSS 1 : 108 - Lamps, reflective devices, and assoc. Equipment

FMVSS 2 : NR

Description of the Safety Risk : Vehicles may exhibit a parking 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 parking 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

Involved Components :

Component Name 1 : LED driver module

Component Description : LED driver module

Component Part Number : NC5A-13B626-FB

Supplier Identification :**Component Manufacturer**

Name : Continental Automotive Austria GmbH

Address : Dresdner Strasse 91
1200 Vienna Foreign States

Country : Austria

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 to have the HCM flashed with updated LDM software. 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 2023.

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 is updated LDM software. The software update increases the frequency of operation of the LDM from 200Hz to 400Hz. The parking 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 by more than 50%. This allows the lamp to operate without flickering.

The LDM part number is NC5A-13B626-FB

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on November 29, 2023. Mailing of owner notification letters is expected to begin January 15, 2023, and is expected to be completed by January 19, 2023, instructing customers to take their vehicle to a Ford or Lincoln dealer to have the LDM software installed.

Planned Dealer Notification Date : NOV 29, 2023 - NOV 29, 2023

Planned Owner Notification Date : JAN 14, 2024 - JAN 19, 2024

* NR - Not Reported