

Part 573 Safety Recall Report

24V-682

Manufacturer Name : Ford Motor Company**Submission Date :** SEP 13, 2024**NHTSA Recall No. :** 24V-682**Manufacturer Recall No. :** 24C30**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 : 16,543

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2022 Ford F150

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Ford reviewed the repair records and Over-The-Air (OTA) deployment records to determine the population of affected vehicles. Affected vehicles either were closed to Safety Compliance Recall 22C22 / 22V-686 without receiving the intended software update to the LED Driver Module (LDM), or received an OTA deployment that prevents them from receiving a remedy for Safety Compliance Recall 22C22 / 22V-686.

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 with headlamps in "Automatic" mode, and the ambient light is low enough to trigger "Night" mode, which turns on the headlamp and parking lamp functions.

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

FMVSS 2 : NR

Description of the Safety Risk : 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 : An Over-The-Air (OTA) update to the Body Control Module (BCM) prevents deployment of Safety Compliance Recall 22C22 / 22V-686.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : LED Driver Module

Component Description : LED Driver Module

Component Part Number : LC5A-13B626-AL

Supplier Identification :**Component Manufacturer**

Name : Continental Automotive Austria GmbH

Address : Dresdner Strasse 91

1200 Vienna Foreign States

Country : Austria

Chronology :

On June 12, 2024, an issue pertaining to Safety Compliance Recall 22C22 / 22V-686 implementation was

brought to Ford's Critical Concern Group (CCRG) for review.

From July – August 2024, the OTA team and Ford Diagnostic Service Planning team analyzed the vehicle service records and OTA deployment records to identify vehicles that either were closed to Safety Compliance Recall 22C22 / 22V-686 without receiving the LDM software update, or received an OTA update that prevents the vehicle from receiving the LDM software update.

As of August 30, 2024, Ford is aware of 368 reports related to this concern in North America. The first known report was received on April 18, 2024.

On September 6, 2024, Ford's Field Review Committee reviewed the concern and approved a field action

Ford is not aware of accidents or injuries related to this concern.

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 LDM 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 2023. Owners who have paid to have these repairs completed at their own expense may be eligible for reimbursement, in accordance with the recall reimbursement plan on file with NHTSA.

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.

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 September 13, 2024.
Mailing of owner notification letters is expected to begin October 7, 2024 and is expected to be completed by October 11, 2024.

Planned Dealer Notification Date : SEP 13, 2024 - SEP 13, 2024

Planned Owner Notification Date : OCT 07, 2024 - OCT 11, 2024

* NR - Not Reported