

Part 573 Safety Recall Report

20V-097

Manufacturer Name : Ford Motor Company

Submission Date : FEB 21, 2020

NHTSA Recall No. : 20V-097

Manufacturer Recall No. : 20C03



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 : 166,196

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2020 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Affected vehicles are equipped with high series LED headlamps with Autolamp (On/Off) functionality.

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 : JAN 05, 2017 - OCT 10, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Noncompliance :

Description of the Noncompliance : On these vehicles, when the Daytime Running Lamps (DRL) are illuminated and the Master Lighting Switch (MLS) is manually rotated from the "Autolamp" position to the "headlamp on" (Low Beam) position, the DRLs remain activated instead of dimming to parking lamps as required by FMVSS 108, exceeding the photometric output allowed by FMVSS 108.

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

FMVSS 2 : NR

Description of the Safety Risk : The increased photometric intensity from the DRL when combined with the low beam headlamp function does not comply with the requirements of FMVSS 108 and may reduce the visibility of other drivers, increasing the risk of a crash.

Description of the Cause : The headlamp function is controlled by the Body Control Module (BCM). For this condition, the DRL function control within the headlamps is not compatible with the timing from the Body Control Module (BCM) when the Master Lighting Switch in the vehicle is manually rotated from "Autolamp" to either the low beam or park switch position. As a result, the lamp will remain "latched" in the DRL active state.

Identification of Any Warning that can Occur : None

Supplier Identification :

Component Manufacturer

Name : Flex-N-Gate

Address : 17225 Federal Drive
Allen Park MICHIGAN 48101

Country : United States

Chronology :

October 2019 – January 2020:

In response to a customer's observation, Ford inspected DRL function on LED headlamp-equipped units and found that they exhibited unexpected DRL activation under certain conditions. The issue was brought to Ford's Critical Concerns Review Group (CCRG) for review. It was observed that the DRL function, contained within the 2018-2020 MY F-150 LED headlamp assembly, remained on instead of dimming to parking lamps when the Master Lighting Switch was manually rotated from the "Autolamp" switch position to the "headlamps on" (Low Beam) switch position during daylight conditions. FMVSS 108 requires that the DRL function be deactivated and the parking lamp function be activated whenever the headlamp switch is in this position. Ford reviewed this subject with both NHTSA and Transport Canada and the circumstances in which it would occur.

February 2020:

On February 14, 2020, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any reports of accident or injury related to this condition.

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 Body Control Module (BCM) configuration updated. There will be no charge for this service.

Ford is excluding reimbursement for costs because the original warranty program would provide for a free repair for this concern.

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

How Remedy Component Differs from Recalled Component : Affected vehicles are equipped with high series LED headlamps with incompatible timing between DRL controlling circuit and the Body Control Module (BCM). The remedy corrects the BCM timing with the DRL controlling circuit.

Identify How/When Recall Condition was Corrected in Production : Body Control Modules (BCM) with updated configuration settings were introduced into production on October 10, 2019.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on February 24, 2020. Mailing of owner notification letters is expected to begin March 9, 2020 and is expected to be completed by March 13, 2020.

Planned Dealer Notification Date : FEB 24, 2020 - FEB 24, 2020

Planned Owner Notification Date : MAR 09, 2020 - MAR 13, 2020

* NR - Not Reported