

Part 573 Safety Recall Report

20V-575

Manufacturer Name : Ford Motor Company**Submission Date :** SEP 23, 2020**NHTSA Recall No. :** 20V-575**Manufacturer Recall No. :** 20C19**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 : 620,246

Estimated percentage with defect : 47 %

Vehicle Information :

Vehicle 1 : 2020-2020 Ford F150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 10/26/2019 at the Dearborn Assembly Plant, and was introduced into production on 11/02/2019 at the Kansas City Truck Plant. The recalled part was taken out of production on 05/18/2020.

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.

220,098 F150 vehicles are affected

Production Dates : OCT 26, 2019 - MAY 18, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2020 Ford Explorer
Vehicle Type : LIGHT VEHICLES
Body Style : ALL
Power Train : NR

Descriptive Information : The recalled part was introduced into production on 11/16/2019 and was taken out of production on 05/18/2020 at the Chicago Assembly Plant.

This condition affects certain Explorer vehicles equipped with the standard rearview camera; units with the optional 360-degree camera 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.

51,999 Explorer vehicles are affected

Production Dates : NOV 16, 2019 - MAY 18, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2020-2020 Ford Mustang
Vehicle Type : LIGHT VEHICLES
Body Style : ALL
Power Train : NR

Descriptive Information : The recalled part was introduced into production on 11/18/2019 and was taken out of production on 05/26/2020 at the Flat Rock Assembly Plant.

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.

24,488 Mustang vehicles are affected

Production Dates : NOV 18, 2019 - MAY 26, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2020-2020 Ford Transit

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 10/28/2019 and was taken out of production on 05/20/2020 at the Kansas City Assembly Plant.

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.

54,210 Transit vehicles are affected

Production Dates : OCT 28, 2019 - MAY 20, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2020-2020 Ford F-Super Duty: F250, F350, F450, F550

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 11/03/2019 at the Kentucky Truck Assembly Plant and was introduced into production on 10/30/2019 at the Ohio Truck Assembly Plant. The recalled part was taken out of production on 05/18/2020.

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.

77,582 F-Super Duty vehicles are affected

Production Dates : OCT 30, 2019 - MAY 18, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2020-2020 Ford Expedition

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 10/30/2019 and was taken out of production on 06/22/2020 at the Kentucky Truck Assembly Plant.

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.

43,442 Expedition vehicles are affected

Production Dates : OCT 30, 2019 - JUN 22, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2020-2020 Ford Escape

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 11/05/2019 and was taken out of production on 05/18/2020 at the Louisville Assembly Plant.

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.

89,454 Escape vehicles are affected

Production Dates : NOV 05, 2019 - MAY 18, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2020-2020 Lincoln Nautilus

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 11/21/2019 and was taken out of production on 05/26/2020 at the Oakville Assembly Plant.

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.

7,318 Nautilus vehicles are affected

Production Dates : NOV 21, 2019 - MAY 26, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2020-2020 Lincoln Corsair

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 11/14/2019 and was taken out of production on 05/18/2020 at the Louisville Assembly Plant.

This condition affects certain Corsair vehicles equipped with the standard rearview camera; units with the optional 360-degree camera 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.

4,716 Corsair vehicles are affected

Production Dates : NOV 14, 2019 - MAY 18, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2020-2020 Ford Ranger
Vehicle Type : LIGHT VEHICLES
Body Style : OTHER
Power Train : NR

Descriptive Information : The recalled part was introduced into production on 12/09/2019 and was taken out of production on 05/19/2020 at the Michigan Assembly Plant.

This condition affects certain Ranger vehicles with a pickup box delete; units with a pickup box 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.

37 Ranger vehicles are affected

Production Dates : DEC 09, 2019 - MAY 19, 2020

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 11 : 2020-2020 Ford Edge
Vehicle Type : LIGHT VEHICLES
Body Style : ALL
Power Train : NR

Descriptive Information : The recalled part was introduced into production on 11/13/2019 and was taken out of production on 05/26/2020 at the Oakville Assembly Plant.

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.

46,902 Edge vehicles are affected

Production Dates : NOV 13, 2019 - MAY 26, 2020

VIN Range 1 : Begin : NR End : NR Not sequential

Description of Noncompliance :

Description of the Noncompliance : Insufficient electrical conductivity within the printed circuit board (PCB) internal to the camera leads to intermittent rearview camera operation.

FMVSS 1 : 111 - Rearview mirrors

FMVSS 2 : NR

Description of the Safety Risk : A rearview camera that intermittently displays a blank or distorted image does not comply with the requirements of FMVSS 111 and can reduce the driver's view of what is behind the vehicle, increasing the risk of a crash.

Description of the Cause : The analog camera female terminals within the PCB header inside the rearview camera move beyond their yield strength and deform when the male pins were inserted.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Park Assist Camera

Component Description : Rearview Camera – Edge

Component Part Number : K2GT-19G490-AB

Component Name 2 : Park Assist Camera

Component Description : Rearview Camera – Escape

Component Part Number : LJ6T-19G490-AB

Component Name 3 : Park Assist Camera

Component Description : Rearview Camera –Expedition, Rear 360-Degree

Component Part Number : JL1T-19G490-AC

Component Name 4 : Park Assist Camera

Component Description : Rearview Camera –Expedition, RVC-only

Component Part Number : LL1T-19G490-AA

Component Name 5 : Park Assist Camera

Component Description : Rearview Camera – Explorer, RVC-only

Component Part Number : LB5T-19G490-AC

Component Name 6 : Park Assist Camera

Component Description : Rearview Camera – F150, Rear 360-Degree

Component Part Number : JL3T-19G490-AD

Component Name 7 : Park Assist Camera

Component Description : Rearview Camera – F150, RVC-only

Component Part Number : JL3T-19G490-BD

Component Name 8 : Park Assist Camera

Component Description : Rearview Camera – F150 Raptor

Component Part Number : JL3V-19G490-AC

Component Name 9 : Park Assist Camera

Component Description : Rearview Camera – Mustang

Component Part Number : FR3T-19G490-AF

Component Name 10 : Park Assist Camera

Component Description : Rearview Camera – Nautilus

Component Part Number : K2GT-19G490-BB

Component Name 11 : Park Assist Camera

Component Description : Rearview Camera – Corsair, RVC-only

Component Part Number : LJ7T-19G490-AC

Component Name 12 : Park Assist Camera

Component Description : Rearview Camera – Transit

Component Part Number : LK4T-19G490-BC

Component Name 13 : Park Assist Camera

Component Description : Rearview Camera – Transit

Component Part Number : LK4T-19G490-AC

Component Name 14 : Park Assist Camera

Component Description : Rearview Camera – Transit, Rear Camera Kit

Component Part Number : JK4T-19G490-CB

Component Name 15 : Park Assist Camera

Component Description : Rearview Camera – Super Duty

Component Part Number : JC3T-19G490-AC

Component Name 16 : Park Assist Camera

Component Description : Rearview Camera – Rear Camera Kit

Component Part Number : JC3T-19G490-EB

Supplier Identification :

Component Manufacturer

Name : Magna Electronics

Address : 10410 N. Holly Road
Holly MICHIGAN 48442

Country : United States

Chronology :

February – April 2020 – Ford identified and monitored warranty claims pertaining to intermittent or inoperative rearview cameras. Ford reviewed supplier product changes, focusing on changes introduced by the supplier in the October/November 2019 timeframe.

May – August 2020: The issue was brought to Ford’s Critical Concerns Review Group (CCRG) for review on May 12, 2020. The CCRG considered the requirements of FMVSS 111 – Rear Visibility, which requires the display of a “field of view” of certain objects rearward of the vehicle upon the initiation of a backing event. The CCRG reviewed the manufacturing plant’s inspection procedures for rearview cameras and learned that every vehicle

is checked for a rearview image at the vehicle's respective manufacturing plant. The CCRG directed FMVSS No. 111 compliance testing be performed on 9 vehicles and concluded that all vehicles met the requirements. As this concern covered multiple vehicle lines with different failure rates, the CCRG also investigated the different vehicle layouts to understand any differences that could exist among the vehicles. Ford summarized its CCRG investigation and discussed these results with NHTSA.

September 2020 – Ford updated its analysis to include newer claims of rearview camera replacements. Specifically, the CCRG focused on the updated rates of failure that were reported on the dealer lots at 0 days in service.

On September 16, 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 replace the rearview camera per the field service action technical instructions. 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 : The remedy parts will revert back to the previous PCB header design that has adequate pin retention force.

Identify How/When Recall Condition was Corrected in Production : Around the time this issue was identified, vehicle assembly plants were in the process of ceasing operation due to COVID-19. After resumption of vehicle production, suspect cameras were removed from stock, and cameras with adequate pin retention force were introduced into production.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on November 7, 2020. Mailing of owner notification letters is expected to begin November 7, 2020 and is expected to be completed by November 22, 2020.

Planned Dealer Notification Date : NOV 07, 2020 - NOV 08, 2020

Planned Owner Notification Date : NOV 07, 2020 - NOV 22, 2020

* NR - Not Reported