

Part 573 Safety Recall Report

21V-805

Manufacturer Name : Ford Motor Company**Submission Date :** OCT 15, 2021**NHTSA Recall No. :** 21V-805**Manufacturer Recall No. :** 21C26**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 : 777

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2022 Ford F-Super Duty: F250, F350

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

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 side impact sensor production to the vehicle in which the side impact sensor is installed. Vehicles not included in the recall did not receive side impact sensors that were built during the suspect production window.

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. 328 F-Super Duty vehicles are affected.

Production Dates : JUL 26, 2021 - JUL 29, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

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 side impact sensor production to the vehicle in which the side impact sensor is installed. Vehicles not included in the recall did not receive side impact sensors that were built during the suspect production window. 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. 78 F-150 vehicles are affected.

Production Dates : JUL 26, 2021 - JUL 26, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2021-2021 Ford Expedition

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

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 side impact sensor production to the vehicle in which the side impact sensor is installed. Vehicles not included in the recall did not receive side impact sensors that were built during the suspect production window. 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. 342 Expedition vehicles are affected.

Production Dates : JUL 29, 2021 - AUG 02, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2021-2021 Lincoln Navigator

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

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 side impact sensor production to the vehicle in which the side impact sensor is installed. Vehicles not included in the recall did not receive side impact sensors that were built during the suspect production window.

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.
29 Navigator vehicles are affected.

Production Dates : JUL 29, 2021 - JUL 31, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Noncompliance :

Description of the Noncompliance : The front door side impact pressure sensor module may not properly respond to a side impact. This could lead to a degradation or loss of side impact airbag protection.

FMVSS 1 : 214 - Side impact protection

FMVSS 2 : NR

Description of the Safety Risk : A vehicle with a damaged front door side impact pressure sensor module may not properly respond to a side impact event. This could lead to a degradation or loss of side impact airbag protection in a crash, increasing the risk of injury.

Description of the Cause : The side impact airbag pressure sensor module may have been damaged during the supplier's assembly process.

Identification of Any Warning that can Occur : An airbag malfunction indicator lamp may be illuminated.

Involved Components :

Component Name 1 : Side Door Pressure Remote Sensing Unit

Component Description : Door Side Impact Sensor

Component Part Number : GN15-14C676-AA

Supplier Identification :

Component Manufacturer

Name : Veoneer US, Inc.

Address : 7455 Birchmount Road

Markam Foreign States L3R 5C2

Country : Canada

Chronology :

On August 5, 2021, an issue pertaining to damaged side impact pressure sensor modules was brought to Ford's Critical Concern Review Group for review. The supplier had notified Ford of sensor component damage observed during a routine maintenance inspection on July 23, 2021.

A review of the supplier's side impact pressure sensor assembly process found that the tip of a programming fixture could contact the top of the sensor, resulting in damage. A review of supplier records found that a fixture adjustment had been implemented by the supplier on July 19, 2021. This adjustment caused the fixture to potentially contact the top of the side impact pressure sensor assembly, which could damage the sensor. Analysis found that this damage may not be visible in a completed pressure sensor assembly, and that a damaged assembly could pass the supplier's end-of-line testing. Shipment records found that potentially damaged sensors were shipped to Ford and subsequently installed into vehicles.

Ford engineering assessed that a damaged side impact sensor installed into a vehicle may not meet the side pole portion of regulatory requirement FMVSS 214, and may or may not illuminate the airbag malfunction indicator in the instrument cluster.

On October 8, 2021, 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 driver and passenger front door side impact sensors replaced. 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 component was manufactured outside of the suspect date range and will not have damage caused by contact with the programming fixture.

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on October 18, 2021. Mailing of owner notification letters is expected to begin November 1, 2021 and is expected to be completed by November 5, 2021.

Planned Dealer Notification Date : OCT 18, 2021 - OCT 18, 2021

Planned Owner Notification Date : NOV 01, 2021 - NOV 05, 2021

* NR - Not Reported