

Part 573 Safety Recall Report

24V-099

Manufacturer Name : Ford Motor Company**Submission Date :** FEB 09, 2024**NHTSA Recall No. :** 24V-099**Manufacturer Recall No. :** 24S06**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 : 77,574

Estimated percentage with defect : 3 %

Vehicle Information :

Vehicle 1 : 2018-2020 Ford Expedition

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Affected vehicles are equipped with driver and front passenger seatbelt retractor pretensioners and were built between October 01, 2018, and June 30, 2019. 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.

3,101 2018 model year Ford Expedition vehicles are affected.

57,031 2019 model year Ford Expedition vehicles are affected.

23 2020 model year Ford Expedition vehicles are affected.

Production Dates : OCT 01, 2018 - JUN 30, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2018-2020 Lincoln Navigator

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Affected vehicles are equipped with driver and front passenger seatbelt retractor pretensioners and were built between October 01, 2018, and June 30, 2019. 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.

709 2018 model year Lincoln Navigator vehicles are affected.
16,696 2019 model year Lincoln Navigator vehicles are affected.
14 2020 model year Lincoln Navigator vehicles are affected.

Production Dates : OCT 01, 2018 - JUN 30, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : On some of the affected vehicles, the driver and/or front passenger seatbelt retractor pretensioners may deploy inadvertently. The primary seatbelt locking functions continue to function properly.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Inadvertent deployment of the retractor pretensioner will result in the seatbelt being locked in position and will not retract or extend, which is noticeable to the occupant. A seatbelt that does not retract or extend may result in injury in the event of a crash.

Description of the Cause : Certain seatbelt retractor pretensioners may develop corroded squib pins caused by an undefined supplier manufacturing issue. After extended corrosion and with a partial separation at the weld between the squib pin and the bridge-wire (heating element of a pyrotechnic device), high resistance or open circuit may occur, and, if not resolved, may result in a retractor pretensioner inadvertent deployment. Increased humidity inside the cab, caused by water leakage after customer air-conditioning (A/C) usage in the hot temperature areas, may potentially contribute to the development of corrosion on top of the squib pins.

Identification of Any Warning that can Occur : An airbag malfunction light illuminates on the cluster preceding an inadvertent deployment of the seatbelt retractor pretensioner.

Involved Components :

Component Name 1 : Driver Seatbelt Retractor Pretensioner Assembly

Component Description : Driver Seatbelt Retractor Pretensioner Assembly for Ford Expedition

Component Part Number : JL1Z-78611B09-A*

Component Name 2 : Front Passenger Seatbelt Retractor Pretensioner As

Component Description : Front Passenger Seatbelt Retractor Pretensioner Assembly for Ford Expedition

Component Part Number : JL1Z-78611B08-A*

Component Name 3 : Driver Seatbelt Retractor Pretensioner Assembly

Component Description : Driver Seatbelt Retractor Pretensioner Assembly for Lincoln Navigator

Component Part Number : JL7Z-78611B09-A*

Component Name 4 : Front Passenger Seatbelt Retractor Pretensioner As

Component Description : Front Passenger Seatbelt Retractor Pretensioner Assembly for Lincoln Navigator

Component Part Number : JL7Z-78611B08-A*

Component Name 5 : Drain Seal Tube

Component Description : Drain Seal Tube - Elbow

Component Part Number : 4M2Z-6A614-AA

Supplier Identification :

Component Manufacturer

Name : ZF

Address : 4505 W. 26 Mile Rd
Washington Michigan 48094

Country : United States

Chronology :

Chronology added as a separate 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 production date codes inspected on both front seatbelt retractors. Dealers will replace any retractors that are within the suspect production date range. Additionally, dealers will inspect for the presence of a Heating Ventilation and Air-Conditioning (HVAC) drain tube elbow and install if not present. 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. The ending date for reimbursement eligibility is estimated to be March 31, 2025.

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

How Remedy Component Differs from Recalled Component : Remedy pretensioner assemblies were built outside of the suspect time-window of the seatbelts that showed the propensity for inadvertent deployment.

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 February 12, 2024. Mailing of owner notification letters is expected to begin March 04, 2024, and is expected to be completed by March 08, 2024.

Planned Dealer Notification Date : FEB 12, 2024 - FEB 12, 2024

Planned Owner Notification Date : MAR 04, 2024 - MAR 08, 2024

* NR - Not Reported



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

ODI RESUME

OFFICE OF DEFECTS INVESTIGATION



Investigation: PE23021
Prompted By: VOQ Review
Date Opened: 11/22/2023
Investigator: Jayson Winick **Reviewer:** Peter Kivett
Approver: Tanya Topka
Subject: Seat Belt Pretensioner Inadvertent Deployment

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Ford Motor Company
Products: 2019 Ford Expedition
Population: 20,331 (Estimated)

Problem Description: An inadvertent pretensioner deployment can result in a hazardous condition from loss of seat belt pretensioner protection with high probability of moderate injury in the event of a crash.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	EWR D&I	Other	Total	EWR Field Reports
All Incidents:	10	0	0	0	10	0
Crashes/Fires:	0	0	0	0	0	0
Injury Incidents:	1	0	0	0	1	0
Number of Injuries:	1	0	0	0	1	0
Fatality Incidents:	0	0	0	0	0	0
Number of Fatalities:	0	0	0	0	0	0

ACTION/SUMMARY INFORMATION

Action: Open this Preliminary Evaluation (PE)

Summary:

The Office of Defects Investigation (ODI) has received 10 complaints alleging seat belt pretensioner inadvertent deployment in model year 2019 Ford Expedition vehicles manufactured by Ford Motor Company. Some complaints allege hearing a loud, explosion-like sound immediately followed by the seatbelt tightening around the occupant's torso area. The complaints also allege a burning smell and smoke filling the cabin of

the vehicle after the incident. The complaints do not allege a crash occurred that may have resulted in the deployment of the pretensioner system. Seat belt pretensioner replacement is required after deployment to restore functionality.

ODI is opening this Preliminary Evaluation (PE) to determine the scope and severity of the potential problem and to fully assess the potential safety-related problems. To review the ODI reports cited in the Opening Resume ODI Report Identification Number document, go to [NHTSA.gov](https://www.nhtsa.gov).