



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V823

Manufacturer Name: Ford Motor Company

Submission Date: Dec 01, 2025

NHTSA Recall No.: 25V823

Manufacturer Recall No.: 25SD4

Manufacturer Information

Population

Manufacturer Name: Ford Motor Company

Address: 20000 Rotunda Drive
Mezzanine
Dearborn MI, 48124

Total number of potentially involved: 679

Estimated percentage with defect: 1%

Vehicle Information

Vehicle 1: 2025-2025 LINCOLN NAVIGATOR

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Jun 13, 2025 - Oct 27, 2025

Number of potentially involved: 5

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 EBB production to the vehicle in which the EBB is installed. Affected vehicles are equipped with suspect EBB modules.

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 Online Automotive Service Information System (OASIS) database.

5 Lincoln Navigator vehicles are affected.

Vehicle 2: 2025-2025 FORD RANGER

Product Category: Light Vehicles

Product Type: Light Truck

Fuel / Propulsion:

Production Dates: Jan 22, 2025 - Oct 23, 2025

Number of potentially involved: 79

Descriptive Information:

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79 Ford Ranger vehicles are affected.

Vehicle 3: 2025-2025 FORD BRONCO

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Jan 22, 2025 - Oct 28, 2025

Number of potentially involved: 102

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 EBB production to the vehicle in which the EBB is installed. Affected vehicles are equipped with suspect EBB modules.

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 Online Automotive Service Information System (OASIS) database.

102 Ford Bronco vehicles are affected.

Vehicle 4: 2025-2025 FORD EXPEDITION

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Jun 11, 2025 - Oct 11, 2025

Number of potentially involved: 17

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 EBB production to the vehicle in which the EBB is installed. Affected vehicles are equipped with suspect EBB modules.

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 Online Automotive Service Information System (OASIS) database.

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17 Ford Expedition vehicles are affected.

Vehicle 5: 2025-2025 FORD F-150

Product Category: Light Vehicles

Product Type: Light Truck

Fuel / Propulsion:

Production Dates: Nov 12, 2024 - Nov 17, 2025

Number of potentially involved: 476

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 Electronic Brake Booster (EBB) production to the vehicle in which the EBB is installed. Affected vehicles are equipped with suspect EBB modules.

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 Online Automotive Service Information System (OASIS) database.

476 Ford F-150 vehicles are affected.

Defect / Noncompliance Description

Description of the defect or noncompliance:

The EBB module may enter into a fault state while driving, resulting in a loss of brake boost until the EBB module completes a sleep cycle the next time the vehicle is off. This fault state can also occur when the driver is utilizing an Advanced Driver Assistance System (ADAS) feature.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

An unexpected loss of brake boost while driving can result in increased stopping distance, which increases the risk of a crash. A loss of boost during an ADAS request for braking also can increase the risk of a crash.

Description of the cause:

A design flaw in the integrated circuit manufacturing process resulted in unintended manufacturing variations. In specific operating conditions, these manufacturing variations may cause unintended activation of a fail-safe mode, which inhibits activation of the EBB. In this state, the front brakes will receive non-boosted hydraulic assist, and the electric park brakes will activate to provide supplemental braking to the rear wheels.

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Identification of any warning that can occur:

At the time of EBB loss, the Anti-lock Brake System (ABS), Electronic Stability Control (ESC), and Brake cluster telltales will illuminate, informational messages will be cyclically displayed in the instrument cluster, and an audible alert will sound. A loss of brake boost can cause a change in brake pedal feel and increased pedal travel.

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: Other

Name: Robert Bosch LLC

Address: 15000 Haggerty Road
Plymouth MI, 48170

Country: United States

Involved Components

Component Name 1: BRK ASY ELE BST

Component Description: Electric Brake Booster – Ford F-150

Component Part Number: SL34-2D335-A* and SL38-2D335-A*

Component Name 2: BRK ASY ELE BST

Component Description: Electric Brake Booster – Ford Expedition / Lincoln Navigator

Component Part Number: RL1C-2D335-B*

Component Name 3: BRK ASY ELE BST

Component Description: Electric Brake Booster – Ford Bronco

Component Part Number: SB3C-2D335-C*, SB3C-2D335-E* and SB3V-2D335-H*

Component Name 4: BRK ASY ELE BST

Component Description: Electric Brake Booster – Ford Ranger

Component Part Number: RB3C-2D335-G*

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Chronology

On September 25, 2025, Ford was notified by the Tier-1 EBB supplier of a failure mode identified on a warranty return part from a 2025 Model Year F-150 vehicle. Ford determined that this failure mode causes the EBB module to set a Diagnostic Trouble Code (DTC) and enter fail-safe mode.

On October 2, 2025, Ford's Underbody Systems Engineering team presented this issue to Ford's Critical Concern Review Group (CCRG) for review.

From October to November 2025, the CCRG's investigation determined that the integrated circuit within the electronic brake booster pump motor experienced a mismatch in gain resistors. This mismatch was attributed to variations in the manufacturing process. While the resistor mismatch did not exceed specification limits, significant variation in this mismatch, coupled with speed dependency, could lead to the vehicle erroneously entering fail-safe mode. This issue was not observed during previous testing, validation, or development stages.

On October 30, 2025, a stop ship was issued for this issue at Ford's affected global assembly plants. Ford's CCRG reviewed Federal Motor Vehicle Safety Standards (FMVSS) related to inoperative brake power units and malfunction notifications and determined that vehicles experiencing this condition remain compliant to FMVSS 135, 105 and 126.

As of November 13, 2025, Ford is aware of three warranty claims related to this concern, received on August 27, 2025, October 2, 2025, and October 28, 2025.

As of November 13, 2025, Ford is not aware of any vehicle accidents, vehicle fires, or injuries related to this condition.

On November 21, 2025, Ford's Field Review Committee reviewed the concern and approved a field service action.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Replace

Consumer Advisories: Do Not Drive Park Outside

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 EBB replaced. There will be no charge for this service.

How remedy component differs from recalled component:

Dealers will replace the EBB (SB3C-2D335-C*/E*, SB3V-2D335-H*, RLIC-2D335-B*, SL34-2D335-A*, SL38-2D335-A*, RB3C-2D335-G*) with a new EBB. The new EBBs were manufactured with integrated circuits that were not susceptible to the manufacturing process variations described above.

Identify how/when recall condition was corrected in production:

Not required per 49 Part 573.

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Manufacturer used general reimbursement plan on file.

Recall Schedule**Description of recall schedule:**

Notification to dealers is expected to occur on December 3, 2025. Mailing of interim owner notification letters is expected to begin December 15, 2025, and is expected to be completed by December 19, 2025. Mailing of remedy owner notification letters is expected to begin January 26, 2026, and is expected to be completed by January 30, 2026. The date VINs are planned to be searchable is December 3, 2025.

Planned Dealer Notification Date: Dec 03, 2025 - Dec 03, 2025 No Dealers

Planned Interim Owner Notification Date: Dec 15, 2025 - Dec 19, 2025 No Owners

Planned Remedy Owner Notification Date: Jan 26, 2026 - Jan 30, 2026 Phased Recall

Date when VIN will be searchable: Dec 03, 2025