



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V541

Manufacturer Name: Ford Motor Company

Submission Date: Aug 22, 2025

NHTSA Recall No.: 25V541

Manufacturer Recall No.: 25C41

Manufacturer Information

Population

Manufacturer Name: Ford Motor Company

Address: 330 Town Center Drive
Suite 500
Dearborn MI, 48126-2738

Total number of potentially involved: 100,900

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2024-2026 Ford Ranger

Product Category:

Product Type:

Fuel / Propulsion:

Production Dates: Dec 09, 2022 - Jul 29, 2025

Number of potentially involved: 100,900

Descriptive Information:

The recalled Side Air Curtain Assemblies were introduced into production on 12/09/22 and a corrective action was implemented to production on 07/29/25. Affected vehicles have side curtain air bags that may not meet FMVSS 226 requirements.

100,900 Ranger vehicles are affected.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Affected vehicles were built with side curtain air bags that may not meet the displacement requirements of FMVSS 226 S4.2.1.

FMVSS1: 226 - Ejection mitigation

FMVSS2:

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

Affected vehicles were built with side curtain air bags that may not meet the displacement requirements

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of FMVSS 226 S4.2.1 Ejection Mitigation. A vehicle that does not comply with FMVSS 226 increases the risk of injury in a crash.

Description of the cause:

The inflating side curtain air bag cushion can interact with the B-pillar inner reinforcement flange.

Identification of any warning that can occur:

None.

Component Manufacturer

Tier of Supplier:

Supplier Type: OEM

Name: Ford Motor Company

Address: 1 American Road
Dearborn MI, 48126

Country: United States

Involved Components

Component Name 1: Right Air Curtain

Component Description: Right Air Curtain Module Assembly

Component Part Number: N1WB-E042D94-BD

Component Name 2: Left Air Curtain

Component Description: Left Air Curtain Module Assembly

Component Part Number: N1WB-E042D95-BD

Chronology

On **June 20, 2025**, Ford's Critical Concern Review Group opened a concern related to side air curtain deployment. In June 2025, Ford learned of an FMVSS 226 Ejection Mitigation audit test on a 2025 model year Ranger. The test had been conducted at a third-party facility on behalf of the National Highway Traffic Safety Administration and the vehicle had passed the compliance test, however the displacement test result for the right-hand (RH) side of the vehicle was close to the FMVSS limit. Ford and the third-party lab removed the side and air curtain modules from the vehicle and identified an approximately 12mm slit on the RH curtain near the top of the cushion, rearward of the B-pillar trim and forward of the inflator during visual inspection.

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From **June to August 2025**, Ford conducted a comprehensive review of the vehicle environment, including B-pillar surfaces, side curtain airbag packaging, and changes made from the start of current Ranger model production in 2024 model year. Ford reviewed the history of all prior Ranger side air curtain deployments, including deployments conducted during the Design Verification (DV) development stage. Finally, Ford conducted new deployment tests replicating the RH failure mode in tests and determined that the cause was the interaction of the airbag with the B-pillar inner reinforcement flange, which could cause a tear and premature pressure loss.

Ford is not aware of any warranty claims, field reports, or Customer Service Reports related to this concern.

On **August 15, 2025**, 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.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Repair

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 a protective shield installed between the side curtain air bag and the inner sheet metal for both right and left side air curtains. There will be no charge for this service.

How remedy component differs from recalled component:

After installation of the protective shields, the side curtain air bags on affected vehicles will meet FMVSS 226 requirements.

Identify how/when recall condition was corrected in production:

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Notification to dealers is expected to occur on August 25, 2025. Mailing of interim owner notification

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letters is expected to begin September 8, 2025 and is expected to be completed by September 12, 2025. Mailing of remedy owner notification letters is expected to begin December 19, 2025 and is expected to be completed by December 27, 2025. The date VINs are planned to be searchable is August 25, 2025.

Planned Dealer Notification Date: Aug 25, 2025 - Aug 29, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: Sep 08, 2025 - Sep 12, 2025 ☐ No Owners

Planned Remedy Owner Notification Date: Dec 19, 2025 - Dec 27, 2025 ☐ Phased Recall

Date when VIN will be searchable: Aug 25, 2025