



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

## Part 573 Safety Recall Report

## 25V543

**Manufacturer Name:** Ford Motor Company

**Submission Date:** Aug 22, 2025

**NHTSA Recall No.:** 25V543

**Manufacturer Recall No.:** 25C42

### Manufacturer Information

### Population

**Manufacturer Name:** Ford Motor Company

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

**Total number of potentially involved:** 213,121

**Estimated percentage with defect:** 1%

### Vehicle Information

**Vehicle 1:** 2025-2025 LINCOLN AVIATOR

**Product Category:** Light Vehicles

**Product Type:** Multipurpose Passenger Vehicle

**Fuel / Propulsion:**

**Production Dates:** Nov 29, 2023 - Jun 06, 2025

**Number of potentially involved:** 23,242

#### Descriptive Information:

Affected vehicles have a Body Control Module C (BCMC) that may have improperly soldered components on their printed circuit board assemblies (PCBA). Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. Ford's team reviewed plant records to determine the population of affected vehicles.

23,242 Aviator vehicles are 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.

**Vehicle 2:** 2025-2025 FORD EXPLORER

**Product Category:** Light Vehicles

**Product Type:** Multipurpose Passenger Vehicle

**Fuel / Propulsion:**

**Production Dates:** Nov 29, 2023 - Jun 06, 2025

**Number of potentially involved:** 189,879

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## Descriptive Information:

Affected vehicles have a Body Control Module C (BCMC) that may have improperly soldered components on their printed circuit board assemblies (PCBA). Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. Ford's team reviewed plant records to determine the population of affected vehicles.

189,879 Explorer vehicles are 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.

## Defect / Noncompliance Description

### Description of the defect or noncompliance:

When a trailer is connected to the vehicle and the vehicle's trailer tow electrical connector is utilized, the trailer's taillamps may not illuminate as intended. As such, vehicles may not comply with S6.2.1 of Federal Motor Vehicle Safety Standard (FMVSS) 108 which prohibits the installation of motor vehicle equipment that "impairs the effectiveness of lighting equipment required by this standard".

**FMVSS1:** 108 - Lamps, reflective devices, and assoc. Equipment

**FMVSS2:**

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

Inoperative trailer taillamps reduce visibility to other drivers, increasing the risk of a crash.

### Description of the cause:

Some components on the printed circuit board assembly (PCBA) of the vehicle's Body Control Module C (BCMC) may have been improperly soldered at the BCMC supplier's production facility.

### Identification of any warning that can occur:

If this issue is present, the customer may experience inoperative power window/mirror switches, or the vehicle's air conditioning system blowing warm air. They may also experience operability issues with the vehicle's DC/AC inverter, glove box light, vanity lights, or dome lamps, alarm portion of the horn, rear defrost, the USB charger and/or 12V power point. Customers may receive a trailer error message in the instrument cluster when a trailer is connected.

## Component Manufacturer

**Tier of Supplier:** Tier 1

**Supplier Type:** OEM

**Name:** Aptiv Services US LLC

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**Address:** Ave de las Industrias SN  
Ciudad Juarez, CH, 32470 Foreign States, 32470

**Country:** Mexico

## Involved Components

**Component Name 1:** Body Control Module C

**Component Description:** Explorer BCMC

**Component Part Number:** R1MT-14D068-DAF

**Component Name 2:** Body Control Module C

**Component Description:** Explorer Police Interceptor BCMC

**Component Part Number:** R1MT-14D068-ZAG

**Component Name 3:** Body Control Module C

**Component Description:** Explorer High Trim and Aviator BCMC

**Component Part Number:** R1MT-14D068-MAF

## Chronology

On June 6, 2025, Ford's North America Engineering team identified a potential issue with the Body Control Module C (BCMC) on 2025 Model Year Explorer and Aviator vehicles after a review of warranty claims reporting inoperative side windows resolved with BCMC replacement. Other BCMC-controlled features were also inoperable. On June 10, 2025, Ford's Critical Concern Review Group (CCRG) opened an investigation into this issue.

From June to July 2025, Ford and the Tier 1 BCMC supplier reviewed parts returned in warranty to determine the root cause. The investigation determined that the issue resulted from insufficient solder joints at the terminals of electronic components on BCMC Printed Circuit Board Assemblies (PCBA) produced at the supplier's facility. Statistical analysis performed by Ford's Six Sigma Black Belt team indicates high confidence that the condition will not occur if a vehicle has reached 9000 miles without occurrence.

Ford is aware of 21 warranty claims potentially related to this condition.

On August 15, 2025, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any accidents or injuries related to this condition.

**Related NHTSA Recall Number:**

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## Description of Remedy

**Remedy Type:** Inspect**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 BCMC inspected and replaced if necessary. Dealers will replace the BCMC if the vehicle mileage is less than 9,000 miles. Dealers will perform a functional check if the vehicle mileage is 9,000 miles or greater and replace the BCMC if it is not functioning properly. There will be no charge for this service.

**How remedy component differs from recalled component:**

The remedy BCMC will have a printed circuit board with properly soldered components.

**Remedy Part Numbers:**

R1MT-14D068-DAF (Explorer BCMC)

R1MT-14D068-ZAG (Explorer Police Interceptor BCMC)

R1MT-14D068-MAF (Explorer High Trim and Aviator BCMC)

**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 October 6, 2025. Mailing of interim owner notification letters is expected to begin October 13, 2025, and is expected to be completed by September 5, 2025. The date VINs are planned to be searchable is October 17, 2025.

**Part 573 Safety Recall Report****25V543****Planned Dealer Notification Date:** Oct 10, 2025 - Oct 10, 2025☐ No Dealers**Planned Interim Owner Notification Date:** Oct 13, 2025 - Oct 17, 2025☐ No Owners**Planned Remedy Owner Notification Date:** Mar 31, 2026 - Apr 03, 2026☐ Phased Recall**Date when VIN will be searchable:** Oct 06, 2025