

Part 573 Safety Recall Report

24V-440

Manufacturer Name : Ford Motor Company**Submission Date :** JUN 14, 2024**NHTSA Recall No. :** 24V-440**Manufacturer Recall No. :** 24S39**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 : 209

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2024 Ford Escape

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Ford's team reviewed plant records to determine the population of affected vehicles. The Ford process is capable of identifying affected vehicles based on cruise control radar alignment angle data.

Affected vehicles are equipped with two-wheel-drive and adaptive cruise control.

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.

Production Dates : APR 19, 2023 - NOV 09, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The cruise control radar module was incorrectly aligned during production. This can result in unexpected Adaptive Cruise Control (ACC) vehicle deceleration due to misclassification of an overhead object as an object in the vehicle's path. Because Pre-Collision Assist (PCA) requires both radar and camera confirmation before requesting Forward Collision Warning (FCW) or Auto Emergency Braking (AEB), this can also result in lost or diminished functionality of PCA, FCW, and/or AEB.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Unexpected deceleration during ACC usage increases the risk of a crash.
Diminished functionality of PCA, FCW, or AEB increases the risk of a crash.

Description of the Cause : The front radar calibration board position was not centered on the cruise control radar module.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Cruise Control Module

Component Description : Cruise Control Module

Component Part Number : ML3T-9G768-AL

Supplier Identification :

Component Manufacturer

Name : Ford

Address : 1 American Road
Dearborn Michigan 48126

Country : United States

Chronology :

On December 5, 2023, an issue pertaining to misaligned ACC radar modules was brought to Ford's Critical Concern Group (CCRG) for review. Louisville Assembly Plant (LAP) had reported high failure rates of Adaptive Cruise Control (ACC) at the Wheel Alignment Headlight Aim (WAHA) station. Ford determined that the cruise control modules on Escape Two-Wheel-Drive variants were calibrated using incorrect radar calibration board positions.

From January to May 2024, Ford monitored warranty data and reviewed the alignment angle data for each of the vehicles that were calibrated using the incorrect board positions. The alignment data was compared to the mathematical angular error resulting from the incorrect board height. Through this review, the team

determined the number of vehicles in the suspect population that may have incorrectly passed WAHA.

As of June 3, 2024, Ford is not aware of any Vehicle Owner Questionnaire (VOQs), warranty claims, field reports, or complaints related to this concern. Ford is not aware of accidents, injuries, or fires related to this concern.

On June 7, 2024, Ford's Field Review Committee reviewed the concern and approved a field action.

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 cruise control module radar alignment procedure performed. 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.

How Remedy Component Differs from Recalled Component : The Cruise Control Module (ML3T-9G768-AL) will be aligned within specification.

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 June 14, 2024. Mailing of owner notification letters is expected to begin July 1, 2024 and is expected to be completed by July 5, 2024.

Planned Dealer Notification Date : JUN 14, 2024 - JUN 14, 2024

Planned Owner Notification Date : JUL 01, 2024 - JUL 05, 2024

* NR - Not Reported