



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V519

Manufacturer Name: Ford Motor Company

Submission Date: Aug 08, 2025

NHTSA Recall No.: 25V519

Manufacturer Recall No.: 25C39

Manufacturer Information

Population

Manufacturer Name: Ford Motor Company

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

Total number of potentially involved: 21,765

Estimated percentage with defect: 15%

Vehicle Information

Vehicle 1: 2025-2025 LINCOLN NAUTILUS

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Mar 09, 2025 - Jul 24, 2025

Number of potentially involved: 1,539

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 Light Emitting Diode (LED) Driver Module (LDM) production to the

vehicle in which the LDM is installed.

1,539 Nautilus 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 MUSTANG MACH E

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Part 573 Safety Recall Report

25V519

Fuel / Propulsion:

Production Dates: May 19, 2025 - Jul 15, 2025

Number of potentially involved: 808

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 LDM production to the vehicle in which the LDM is installed.

808 Mach-E 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 3: 2025-2025 FORD MUSTANG

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion:

Production Dates: Mar 04, 2025 - Jul 18, 2025

Number of potentially involved: 19,418

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 LDM production to the vehicle in which the LDM is installed.

19,418 Mustang 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:

Part 573 Safety Recall Report

25V519

On affected vehicles, a headlamp assembly's LDM may fail. A failed LDM will result in that headlamp assembly's high beam, low beam, position lamp, daytime running lamp and turn signal operation becoming inoperative. For Nautilus vehicles only, a failed headlamp assembly's LDM also may result in the same-side rear tail lamp, rear turn signal, and rear position lamp becoming inoperative. Inoperative lighting features may result in non-compliance with FMVSS 108.

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

FMVSS2:

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

Inoperable lighting features may reduce the driver's visibility and/or make the vehicle less visible to other drivers, increasing the risk of a crash.

Description of the cause:

Part teardown has identified burnt Schottky diodes in the failed LDM of affected headlamp assemblies. Root cause of these burnt diodes remains under investigation.

Identification of any warning that can occur:

Drivers will receive an "Advanced Front Lighting Feature Temporarily Unavailable" warning and the turn signal indicator will fast flash in the instrument panel cluster.

Component Manufacturer

Tier of Supplier: Tier 2

Supplier Type: OEM

Name: Keboda

Address: NO.1758 Zhangdong Rd
Zhangjiang High-Tech Park, Pudong Distri
Shanghai Foreign States, 211210

Country: China

Involved Components

Component Name 1: Mach-E LDM

Component Description: LED Driver Module

Component Part Number: RJ8B-13B626-AB

Component Name 2: Mustang LDM

Component Description: LED Driver Module

Part 573 Safety Recall Report

25V519

Component Part Number: P3HA-13B626-AG

Component Name 3: Nautilus Left-Hand LDM

Component Description: LED Driver Module

Component Part Number: P2TA-13B626-AF

Component Name 4: Nautilus Right-Hand LDM

Component Description: LED Driver Module

Component Part Number: P2TA-13B626-BF

Chronology

On March 15, 2025, a Nautilus vehicle at the Changan Ford Hangzhou plant in China exhibited an inoperative right-hand headlamp assembly during plant inspection. By March 31, 2025, plant personnel identified an additional eight vehicles displaying similar headlamp malfunctions. Five of these vehicles also experienced an inoperative rear lamp assembly concurrently with the inoperative headlamp assembly.

On May 15, 2025, Ford received a potentially related warranty claim for a Nautilus vehicle in China. By June 15, 2025, seven additional warranty claims from China had been received. On June 18, 2025, Ford's Critical Concern Review Group (CCRG) in China opened an investigation into this concern. On June 24, 2025, the investigation was transferred to Ford's CCRG in North America.

Part teardown analysis performed by Ford and the Tier-2 LDM supplier traced the loss of lighting functions to a burnt Schottky diode in the LDM of affected headlamps. Based on a review of records from the Tier 3 diode supplier, Ford saw quality issues affecting 3 diode lots sent to the Tier 2 LDM supplier.

As of July 30, 2025, Ford is aware of nine plant quality reports and eight warranty claims as cited above on Nautilus vehicles in China. Ford has no reports of occurrences on Mach-E or Mustang vehicles.

On August 01, 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.

Part 573 Safety Recall Report

25V519

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Inspect, Replace

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

For Nautilus and Mach-E vehicles, owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to have the right-hand and/or left-hand side LDM replaced. For Mustang vehicles, owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to have their right-hand side and left-hand side LDM serial numbers inspected; an LDM will be replaced if its serial number corresponds to an affected part. There will be no charge for this service.

How remedy component differs from recalled component:

The remedy LDM (RJ8B-13B626-AB, Mach-E LDM / P3HA-13B626-AG, Mustang LDM/ P2TA-13B626-AF, Nautilus left hand LDM/ P2TA-13B626-BF, Nautilus right hand LDM) will have a properly operating Schottky diode.

Identify how/when recall condition was corrected in production:

Not required per 49 Part 573.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Notification to dealers is expected to occur on August 11, 2025. Mailing of interim owner notification letters is expected to begin August 11, 2025 and is expected to be completed by August 29, 2025. Mailing of remedy owner notification letters is expected to begin October 01, 2025 and is expected to be completed by December 31, 2025. The date VINs are planned to be searchable is August 11, 2025.

Planned Dealer Notification Date: Aug 11, 2025 - Aug 11, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: Aug 25, 2025 - Aug 29, 2025 ☐ No Owners

Part 573 Safety Recall Report**25V519**

Planned Remedy Owner Notification Date: Oct 01, 2025 - Dec 31, 2025 ☐ Phased Recall

Date when VIN will be searchable: Aug 11, 2025