



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V513

Manufacturer Name: Ford Motor Company

Submission Date: Aug 08, 2025

NHTSA Recall No.: 25V513

Manufacturer Recall No.: 25S81

Manufacturer Information

Population

Manufacturer Name: Ford Motor Company

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

Total number of potentially involved: 8

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2021-2021 FORD MUSTANG MACH E

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion:

Production Dates: Nov 03, 2020 - Sep 24, 2021

Number of potentially involved: 8

Descriptive Information:

The Ford process is capable of determining which software part numbers have been installed in production and service. Affected vehicles do not contain the remedy Antilock Braking System (ABS) calibration for recall 24S65.

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:

According to Ford's records, certain 2021 MY Mach-E vehicles did not have the remedy for Safety Recall 24S65 / 24V-777 installed correctly, but were recorded as having the repair successfully completed. Because the correct software update remedy may not be installed on the vehicle, the underlying condition specified in Safety Recall 24S65 / 24V-777 may still exist, and an Over-The-Air (OTA) update to the Anti-lock Braking System (ABS) calibration file results in the ABS switching to a default configuration. When in default configuration, the brake system does not provide brake power assist. Base braking remains functional, but customers may experience longer pedal travel, higher pedal efforts, and reduced braking response. Vehicle stability control features (including anti-lock braking, Electronic Stability Control, and Traction Control System) and driver assistance features

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(including Hill Start Assist and Pre-Collision Assist) also will be disabled, and regenerative braking capability will be reduced. The Electronic Parking Brake remains operable.

FMVSS1:

FMVSS2:

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

The underlying safety risk specified in Safety Recall 24S65 / 24V-777 still exists on these specified vehicles. Ford described that safety risk as, "A loss of power brake assist may reduce the effectiveness of the braking system, increasing the risk of a crash."

Description of the cause:

The dealer instructions to complete the recall instruct the technician to upload the latest software using the service tool, which downloads the latest software from Ford for installation on the vehicle. For these vehicles, the software tool did not upload the correct software to the vehicle.

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: ABS Module Calibration

Component Description: Anti-lock Braking System Calibration File

Component Part Number: LK9C-14C602-NT

Chronology

On **November 26, 2024**, an issue pertaining to incomplete software recall remedies was brought to Ford's Critical Concern Group (CCRG) for review. This issue was initially identified in a Quality Office forum, where an audit was requested for software part numbers applied to vehicles remedied under a

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sample of field service actions (FSAs). Initial review of three FSAs revealed insufficient data to confirm correct software application across all FSAs using the FDRS service tool. Further investigation was deemed necessary.

In **December 2024**, a cross-functional team was formed to audit all software FSAs that used the FDRS service tool, with its first focus being on safety and compliance FSAs. Templates were created to track software lineage part numbers.

On **December 19, 2024**, Ford informed NHTSA of this concern -- the service tool data confirmed that the software state on the service tool at the time of installation matches the FSA software release for most vehicles. However, there are vehicles that do not have a match between the software state on the service tool and the FSA software release. Ford discussed with NHTSA its plan to address the mismatched vehicles.

In **January 2025**, the cross-functional team created database records to store all software lineage part numbers for previously launched FSAs. The team then began auditing the current software level for every VIN repaired under several previously launched FSAs.

On **July 28, 2025**, the cross-functional team completed the audit of 24S65 and brought the results to Ford's CCRG for review, concluding that 84.5% of the repairs conducted under 24S65 had the correct software installed. The team identified the specific vehicles that were recorded as receiving the remedy, but has software that does not remedy the safety risk.

On **August 1, 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: 24V777

Description of Remedy

Remedy Type: Software

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 ABS calibration updated. Then, the software part numbers will be validated using the Software Validation Form in the Professional Technician System before the FSA is closed. 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. Owners who have paid to have these repairs completed at their own expense may be eligible for reimbursement, in accordance with the recall reimbursement plan on file with NHTSA.

How remedy component differs from recalled component:

The software service package will have the intended remedy for 24S65 / 24V-777

Identify how/when recall condition was corrected in production:

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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 September 15, 2025. Mailing of remedy owner notification letters is expected to begin September 15, 2025, and is expected to be completed by September 19, 2025. The date VINs are planned to be searchable is September 15, 2025.

Planned Dealer Notification Date: Sep 15, 2025 - Sep 15, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: ☐ No Owners

Planned Remedy Owner Notification Date: Sep 15, 2025 - Sep 19, 2025 ☐ Phased Recall

Date when VIN will be searchable: Sep 15, 2025