

Part 573 Safety Recall Report

25V-019

Manufacturer Name : Ford Motor Company**Submission Date :** JAN 17, 2025**NHTSA Recall No. :** 25V-019**Manufacturer Recall No. :** 25S02**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 : 272,817

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2023 Ford Bronco Sport

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

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 12V battery production to the vehicle in which the 12V battery is installed. The suspect 12V batteries were introduced into production on February 5, 2020, and removed from production on October 20, 2022.

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 : FEB 05, 2020 - OCT 20, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2022-2023 Ford Maverick
Vehicle Type : LIGHT VEHICLES
Body Style : ALL
Power Train : GAS

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 12V battery production to the vehicle in which the 12V battery is installed. The suspect 12V batteries were introduced into production on February 5, 2020, and removed from production on October 20, 2022.

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Production Dates : FEB 03, 2021 - OCT 20, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : In affected vehicles, the 12V battery may experience internal weld and/or cast-on-strap failures, which could lead to a sudden battery degradation while driving. If the battery suddenly degrades during a drive it can lead to a vehicle that is unable to restart after an auto stop/start event or experience a stall while coming to a stop at low speed. Either of these conditions may be accompanied by a loss of 12-volt accessories, including hazard lights.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of motive power can increase the risk of a crash.

Description of the Cause : The supplier's cast-on strap (COS) process positioned battery plate lugs too close to strap walls. This leads to cracked COSs, open battery cells and ultimately battery failures. Additionally, weak tombstone welds are occurring due to weld temperatures being too high or weld position being offset relative to the target position. Prior software released as part of FSA 24S24 is unable to detect certain electrical signatures present on failed batteries and/or failed to disable stop/start functionality quickly enough.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : 12V Battery

Component Description : Battery Assembly

Component Part Number : LX6T-10655-f

Supplier Identification :

Component Manufacturer

Name : Camel Battery

Address : No. 4 Zhui Road

Xiang Yang Foreign States 441003

Country : China

Chronology :

On September 24, 2024, Ford received an informal inquiry from the National Highway Traffic Safety Administration (NHTSA) Office of Defect Investigation (ODI) related to 19 Vehicle Owner Questionnaires (VOQs) alleging a Loss Of Motive Power (LOMP) after receiving a remedy for Field Service Action (FSA) 24S24. Ford's Automotive Safety Office (ASO) and Low Voltage Power Supply team reviewed the VOQs and based on the team's findings, this concern was introduced to Ford's Critical Concern Review Group (CCRG) on October 29, 2024.

On November 15, 2024, NHTSA ODI opened Recall Query RQ24-014 into this concern.

From November 2024 through January 2025, the Low Voltage Power Supply team conducted an engineering evaluation of several field returned 12-volt batteries from the suspect population. Vehicles recalled under 24S24 were produced with Enhanced Flooded Batteries (EFB) supplied by two different suppliers: Camel and Clarios. This investigation identified internal manufacturing defects in the Camel EFB batteries, including failures of the battery's Cast On Strap (COS) and internal weld failures, both of which can lead to open circuits. The customer claims and warranty returns related to alleged LOMP failures demonstrate a higher concentration in warmer weather states.

As of October 29, 2024, 234 out of 238 allegations of LOMP post-24S24 were vehicles produced with Camel EFB batteries. Ford has not identified any Clarios EFB batteries with a similar failure mode to what has been observed in the Camel EFB.

As of November 20, 2024, Ford is not aware of any accidents, fires, or injuries attributed to this condition.

On January 10, 2025, 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 their vehicle inspected for the presence of a Ford Absorbed Glass Mat (AGM) 12V battery. If there is not a Ford AGM battery present, one will be installed. 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 replacement 12V battery BAGM-48H6-760 is absent the internal defects present in the Camel batteries.

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 January 21, 2025. Mailing of owner notification letters is expected to begin February 3, 2025 and is expected to be completed by February 7, 2025.

Planned Dealer Notification Date : JAN 21, 2025 - JAN 21, 2025

Planned Owner Notification Date : FEB 03, 2025 - FEB 07, 2025

* NR - Not Reported