

# Part 573 Safety Recall Report

## 25V-199

**Manufacturer Name :** Ford Motor Company

**Submission Date :** MAR 28, 2025

**NHTSA Recall No. :** 25V-199

**Manufacturer Recall No. :** 25S29



### 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 :** 47

**Estimated percentage with defect :** 100 %

### Vehicle Information :

**Vehicle 1 :** 2025-2025 Ford F-150

**Vehicle Type :** LIGHT VEHICLES

**Body Style :**

**Power Train :** HYBRID ELECTRIC

**Descriptive Information :** Ford's team reviewed plant records to determine the population of the affected parts. The Ford process is capable of tracing suspect high voltage battery junction box production to the vehicles in which the high voltage battery junction box is installed.

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.

47 2025 Model Year F-150 Full Hybrid Electric Vehicles (FHEV) vehicles are affected.

**Production Dates :** JAN 30, 2025 - FEB 05, 2025

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

### Description of Defect :

**Description of the Defect :** In the affected vehicles, the high voltage battery junction box is equipped with a fuse with an incorrect amperage rating for the application. The fuse may blow, which can result in a sudden loss of motive power if the vehicle is operating in electric-only mode.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** A loss of motive power increases the risk of a crash.

**Description of the Cause :** A box of fuses with the incorrect amperage rating was provided to the

supplier's high voltage battery junction box assembly line and the fuses were assembled into the high voltage battery junction boxes.

Identification of Any Warning that can Occur : When the fuse fault occurs, a "Stop Safely Now" warning message will display on the instrument cluster panel.

Involved Components :

Component Name 1 : FS BAT H/V TRCT

Component Description : 150 Amp Main Fuse HV Battery Junction Box

Component Part Number : L1M8-10C667-AA

Supplier Identification :

Component Manufacturer

Name : Tyco Electronics Mexico S De RI De Cv

Address : Blvd. Industrial Norte # 23 Y, Hermosill  
Hermosillo Foreign States 83118

Country : Mexico

Chronology :

On February 6, 2025, Ford's Rawsonville Components Plant (RCP) team identified an elevated number of high-voltage system error codes during end-of-line (EOL) inspection for 2025 model year F150 Full Hybrid Electric Vehicles (FHEV).

On February 12, 2025, Ford's Engineering team at RCP performed a teardown analysis on a failed high voltage battery junction box (also known as Bussed Electrical Center) and discovered that the sub-supplier built the high voltage battery junction box with an incorrect 60-amp fuse instead of the required 150-amp fuse.

Ford reviewed the high voltage battery junction box supplier manufacturing records to determine the potential population of suspect junction boxes that were produced with the incorrect 60-amp fuse. Additionally, Ford Engineering and the RCP Process Engineer Specialist reviewed the in-station camera images from the RCP assembly line to identify the population of high voltage battery packs produced with the suspect high voltage battery junction boxes.

On March 6th, 2025, this concern was brought to Ford's Critical Concern Group (CCRG) for review.

As of March 12, 2025, Ford is aware of two warranty reports (received March 1, 2025 and March 6, 2025), five field reports (received February 25, 2025, February 28, 2025, March 6, 2025, March 6, 2025, and March 7,

2025) and one customer report (received February 25, 2025). The reports refer to six vehicles.

On March 21, 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.

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 incorrect 60-amp fuse replaced with a 150-amp fuse. 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 :	In all the affected vehicles, the incorrect 60-amp fuse will be replaced by the correct 150-amp fuse (part number L1M8-10C667-AA) in the HV battery junction box (part number ML38-10C666-AD).
Identify How/When Recall Condition was Corrected in Production :	NR

Recall Schedule :

Description of Recall Schedule :	Notification to dealers is expected to occur on April 2, 2025. Mailing of owner notification letters is expected to begin April 14, 2025 and is expected to be completed by April 18, 2025.
Planned Dealer Notification Date :	APR 02, 2025 - APR 02, 2025
Planned Owner Notification Date :	APR 14, 2025 - APR 18, 2025

\* NR - Not Reported