Manufacturer Name: Ford Motor Company Submission Date : APR 23, 2025 NHTSA Recall No.: 25V-272 Manufacturer Recall No.: 24S11

Manufacturer Information :

Manufacturer Name: Ford Motor Company Address: 330 Town Center Drive Suite 500 Dearborn MI 48126-2738 Company phone : 1-866-436-7332

Vehicle Information :

Vehicle 1:	2023-2023 Ford F	150 Lightning			
Vehicle Type :	LIGHT VEHICLES				
Body Style :	ALL				
Power Train :	HYBRID ELECTRIC				
Descriptive Information :	Ford's team reviewed plant records to determine the population of affected parts. The Ford process is capable of tracing high voltage battery pack production to the vehicle in which the high voltage battery pack is installed.				
	Affected vehicles have a high voltage battery pack that underwent a rework operation at the high voltage battery pack assembly facility				
3 F-150 Lightning 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.					
Production Dates :	NOV 23, 2022 - MA	R 31, 2023			
VIN Range 1:	Begin : N	IR En	1: NR	Not sequential	
Description of Defect : Description of the Defec FMVSS FMVSS Description of the Safety Ris	ct : Affected vehicle high voltage ba 1 : NR 2 : NR sk : Missing or loos	es may have one ttery junction bo e retention nuts o	or more missing or loose rete k bus bars in the high voltage on the high voltage battery ju	ention nuts on the battery pack. nction box bus	
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Population :

Number of potentially involved : 3 Estimated percentage with defect : NR

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NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

25V-272

Description of the Safety Risk	bars in the high voltage battery pack may result in electrical arcing, which can increase the risk of fire. In addition, a "Stop Safely Now" message may occur in the instrument cluster followed by loss of motive power, which can increase the risk of a crash.
Description of the Cause	: One or more retention nuts on the high voltage battery junction box bus bars may have been removed in error during a rework operation and there was not a subsequent re-verification of retention nut torque.
Identification of Any Warning that can Occur	 g The customer may hear a loud noise while driving. A "Stop Safely Now" : message and a malfunction indicator light will display in the instrument cluster preceding loss of motive power. The vehicle can coast to a stop and the 12V battery power will sustain the use of assisted steering and braking.
Involved Components :	
Component Name 1:	Bolt Nut
Component Description :	M6 Nut & Washer
Component Part Number :	W721583-S437
Component Name 2 :	BEC Module Positive
Component Description :	BEC High Voltage Battery Junction Box
Component Part Number :	NL38-10C666-AB
Component Name 3	BEC Module Negative
Component Description :	BEC High Voltage Battery Junction Box
Component Part Number :	NL38-10C666-BD
Component Name 4 :	BEC Module Negative
Component Description :	BEC High Voltage Battery Junction Box
Component Part Number :	NL38-10C666-BE
Component Name 5 ·	BEC Module Negative
Component Description :	BEC High Voltage Battery Junction Box
Component Part Number	NI 38-100666-RF
	MP20-100000-DI.

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Component Name 6:	Bus-Bar Link
Component Description :	Bus-Bar Link
Component Part Number :	NL38-14A033-FA
Component Name 7:	Bus-Bar Link
Component Description :	Bus-Bar Link
Component Part Number :	NL38-14A033-EA
Component Name 8 :	Bus-Bar Link
Component Description :	Bus-Bar Link
Component Part Number :	NL38-14A033-NA

Supplier Identification :

Component Manufacturer

Name : Ford Motor Company Address : 1 American Road Dearborn Michigan 48126 Country : United States

Chronology :

On February 16, 2024, Ford's Field Review Committee approved field action 24S11 (24V144) to address a high voltage battery bus bar retention nut issue that resulted from a manufacturing rework operation.

On February 25, 2025, in support of Ford's obligations under paragraph 44 of the Ford consent order with NHTSA, CCRG opened a new investigation to review scoping of Field Service Action (FSA) 24S11. From February to April 2025, the investigation confirmed suspect battery pack identification. The investigation also confirmed no suspect battery packs were used as service stock. Assembly plant traceability data was used to confirm the linking of 328 of 332 suspect battery packs globally to vehicle VINs included in the FSA 24S11 (24V144) population.

Assembly plant traceability data indicated that the remaining 4 of 332 suspect battery packs were linked to 2 VINs each in error. In defining the original FSA population, 1 of the 2 VINs per each of these 4 packs was inferred from the plant data and included in the population. For each of these 4 packs, CCRG's new investigation was unable to determine with certainty in which of the 2 VINs the suspect packs had been

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installed.

On April 16, 2025, Ford's Field Review Committee reviewed the concern and approved an amendment to the 24S11 field action. This amendment adds the 4 VINs (3 in the U.S. and 1 in Canada).

As of April 16, 2025, in the 24S11 population, Ford Motor Company is aware of one field report (received September 18, 2023) and one warranty report (received October 9, 2023) related to this concern, both for the same incident, that occurred before 24S11 was approved. There are no field reports on the 4 vehicles being added to this field service 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 for an inspection of the high voltage battery junction box bus bars for missing or loose retention nuts. Dealers will confirm proper torque of the bus bar retention nuts. If any of the retention nuts are loose or missing, further repairs will be necessary and owners may be provided a rental vehicle until final repair instructions are available. There will be no charge for these services.
	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 retention nuts (part number W721583-S437) will be properly installed and torqued to specification on the Bus-Bar Links (part number NL38-14A033-*A) attached to the BEC Positive/Negative Modules (part number NL38-10C666-**).
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 24, 2025. Mailing of
	owner notification letters is expected to begin May 19 2025, and is
	expected to be completed by May 23 2025.
Planned Dealer Notification Date :	APR 24, 2025 - APR 24, 2025
Planned Owner Notification Date :	MAY 19, 2025 ⁻ MAY 23, 2025

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* NR - Not Reported

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