

# Part 573 Safety Recall Report

# 19V-805

**Manufacturer Name :** Ford Motor Company

**Submission Date :** NOV 12, 2019

**NHTSA Recall No. :** 19V-805

**Manufacturer Recall No. :** 19S40



## 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 :** 135,725

**Estimated percentage with defect :** 1 %

## Vehicle Information :

**Vehicle 1 :** 2019-2020 Ford F-150

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** ALL

**Power Train :** NR

**Descriptive Information :** Ford's Manufacturing team reviewed plant records to determine the population of affected vehicles that may not have had the fasteners properly torqued during assembly.

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 :** JUN 24, 2019 - OCT 01, 2019

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** Interference in the battery cable wire harness joint resulting in the fastener that connects the Power Distribution Box (PDB) 12V cable and Battery Monitoring System (BMS) eyelets to the positive battery terminal to become loose. An attachment that is not secure may result in intermittent or inoperative vehicle systems affecting instrument panel displays, braking or steering assist, or may result in engine stalling. This condition could also create a resistive short, increasing the potential for smoke, melting, or risk of fire.

**FMVSS 1 :** NR

FMVSS 2 : NR

**Description of the Safety Risk :** Customers may experience intermittent or inoperative vehicle systems affecting instrument panel displays, braking or steering assist, or may result in engine stalling. This condition could create a resistive short, increasing the potential for smoke, melting, or risk of fire.

**Description of the Cause :** Wiring eyelet sealant adhesive on the BMS terminal can interfere with proper joint contact and fastener tightness, causing a soft joint connection. A supplier change to the wiring shrink wrap location resulted in the potential for eyelet sealant adhesive to seep into the affected joint contact area.

**Identification of Any Warning that can Occur :** None.

## Supplier Identification :

### Component Manufacturer

Name : FLEXTRONICS AUTOMOTIVE USA INC

Address : CALLE OMEGA #1825  
JUAREZ FOREIGN STATES 32320

Country : Mexico

## Chronology :

September - October, 2019

A concern pertaining to a report of a loose battery cable connection found by an assembly plant audit of future product on September 30, 2019 was brought to Ford's Critical Concern Review Group (CCRG) for review. In investigating the report, the audit found wiring sealant adhesive in the BMS terminal eyelet joint to the battery B+ terminal, interfering with proper joint contact and fastener tightness. A stop-ship and audit of assembled vehicles was undertaken to evaluate whether this condition potentially affected current production vehicles. Based on that audit, actions were undertaken to identify and correct this condition for existing production. Concurrently, CCRG initiated an investigation. A review of production records to determine potential process changes contributing to this condition found that a supplier change had been made in June, 2019 to relocate the eyelet heat shrink tubing closer to the terminal contact surface area. This change increased the potential for sealant adhesive to flow onto the contact surface area of the eyelet terminal.

On November 4, 2019, 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 : Dealers will inspect the positive battery cable/BMS/PDB joint for excess sealant adhesive. If present, dealers will remove any excess adhesive from the joint, reassemble the joint, and torque the fastener to specification.

Ford provided the general reimbursement plan for the cost of remedies paid for by vehicle owners prior to notification of a safety recall in February 2019. The ending date for reimbursement eligibility is April 30, 2019.

Ford will forward a copy of the notification letters to dealers to the agency when available.

How Remedy Component Differs from Recalled Component : The remedied battery cable/BMS/PDB joint will have no excess sealant adhesive in the joint allowing proper joint contact and fastener torque.

Identify How/When Recall Condition was Corrected in Production : The wiring manufacturer incorporated improved processes to more accurately control wiring heat shrink tubing position and adhesive flow.

## Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on November 13, 2019. Mailing of owner notification letters is expected to begin November 25, 2019, 2019 and is expected to be completed by November 29, 2019, 2019.

Planned Dealer Notification Date : NOV 13, 2019 - NOV 13, 2019

Planned Owner Notification Date : NOV 25, 2019 - NOV 29, 2019

\* NR - Not Reported