

# Part 573 Safety Recall Report

# 19V-809

**Manufacturer Name :** Ford Motor Company

**Submission Date :** NOV 12, 2019

**NHTSA Recall No. :** 19V-809

**Manufacturer Recall No. :** 19S41



## 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 :** 54,411

**Estimated percentage with defect :** 1 %

## Vehicle Information :

**Vehicle 1 :** 2016-2017 Ford MKX

**Vehicle Type :** LIGHT VEHICLES

**Body Style :**

**Power Train :** GAS

**Descriptive Information :** Affected vehicles are equipped with 3.7L engines.

54,411 MKX 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 12, 2014 - SEP 11, 2017

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** The B+ battery cable harness may contact the transmission shifter cable bracket.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** Contact between the B+ battery cable harness and the transmission shifter cable bracket could wear through the insulation of the cable, resulting in the cable shorting to ground, increasing the risk of overheated or melted wiring or fire.

**Description of the Cause :** Due to wire harness installation variability, some vehicles may have

Identification of Any Warning  
that can Occur :

substandard clearance between the B+ battery cable and the transmission shifter cable bracket. This clearance may inadvertently be further diminished during service maintenance such as battery replacement, resulting in potential battery cable contact with the shift cable bracket.

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

May 2019: On May 21, 2019 an issue regarding three 3.7L MKX underhood fires was brought to CCRG for review. Vehicle inspections had been unable to identify a source for the fires, although they were believed to be electrical in nature.

A review of the 3.7L wiring package found that design and process changes had been made in September of 2017 to address substandard clearances between electrical wiring and hardware in this area. The vehicles associated with the three reports reviewed with CCRG were each built prior to that design change.

June – August 2019: CCRG requested a review of field data for similar reports. The data search identified five warranty claims involving battery harness wire contact with the transmission shifter bracket that did not result in fire. One of the three vehicles brought to CCRG for review in May was found to have had a battery replacement 3 days before the fire. These vehicles were all built prior to incorporation of the September, 2017 design and process changes. Vehicle reviews were conducted to evaluate wiring package clearances to underhood components. Vehicle inspections identified a sharper than expected shifter cable bracket edge in proximity to the battery cable on one vehicle. Further study, including CAD analysis, was conducted to understand potential wire harness movement during vehicle operation, including analysis with mispositioned or dislodged wire harness locator pins. CCRG requested a review of service procedures for components in the area, including battery replacement.

September – November 2019: Analysis of service procedures identified that battery replacement required removal of the battery cable harness and clips to allow sliding the battery from underneath the cowl. This procedure may inadvertently diminish cable clearance to the shift cable bracket.

On November 4, 2019, Ford's Field Review Committee reviewed the concern and approved a field action.

(Continued. See attachment.

**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 dealer remove the four battery harness clips at the battery tray and one elbow guide, then install a wire channel shield and protective sleeve to the battery cable harness. 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 December 2019. The ending date for reimbursement eligibility is December 20, 2019.

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

**How Remedy Component Differs from Recalled Component :** Dealers will remove the four battery harness clips FU5T-14E047-JA at the battery tray and one elbow guide F17B-14A099-JA

The dealers will then install a wire channel shield NU5T-14A100-BA and protective sleeve GA1T-14A099-MA to the battery cable harness., three push pins KU5T-14G317-CA, and six tie straps 78GG-14613-BA.

**Identify How/When Recall Condition was Corrected in Production :** Design and process changes had been made in September of 2017 to address substandard clearances between electrical wiring and hardware in this area.

**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 December 2, 2019 and is expected to be completed by December 6, 2019.

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

**Planned Owner Notification Date :** DEC 02, 2019 - DEC 06, 2019

\* NR - Not Reported